

# Health, United States, 2002

*Special Excerpt:*

*Trend Tables on 65 and Older Population*



DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention  
National Center for Health Statistics

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This special excerpt from *Health, United States, 2002* contains only those tables that include data on the 65 and older population. Supporting material for these tables can be found in the appendices of the full report, *Health, United States, 2002*, which may be accessed from the National Center for Health Statistics (NCHS) Web site at [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). From the *Health, United States* home page, one may also subscribe to the *Health, United States* listserv.

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**Table 1 (page 1 of 2). Resident population, according to age, sex, race, and Hispanic origin: United States, selected years 1950–2000**

[Data are based on decennial census updated by data from multiple sources]

<i>Sex, race, Hispanic origin, and year</i>	<i>Total resident population</i>	<i>Under 1 year</i>	<i>1–4 years</i>	<i>5–14 years</i>	<i>15–24 years</i>	<i>25–34 years</i>	<i>35–44 years</i>	<i>45–54 years</i>	<i>55–64 years</i>	<i>65–74 years</i>	<i>75–84 years</i>	<i>85 years and over</i>
All persons		Number in thousands										
1950 .....	150,697	3,147	13,017	24,319	22,098	23,759	21,450	17,343	13,370	8,340	3,278	577
1960 .....	179,323	4,112	16,209	35,465	24,020	22,818	24,081	20,485	15,572	10,997	4,633	929
1970 .....	203,212	3,485	13,669	40,746	35,441	24,907	23,088	23,220	18,590	12,435	6,119	1,511
1980 .....	226,546	3,534	12,815	34,942	42,487	37,082	25,634	22,800	21,703	15,580	7,729	2,240
1990 .....	248,710	3,946	14,812	35,095	37,013	43,161	37,435	25,057	21,113	18,045	10,012	3,021
1999 .....	272,691	3,820	15,122	39,495	37,774	37,936	44,813	35,802	23,389	18,218	12,147	4,175
2000 <sup>1</sup> .....	275,265	3,847	15,149	39,674	38,367	37,431	44,892	37,153	23,974	18,168	12,314	4,296
Male												
1950 .....	74,833	1,602	6,634	12,375	10,918	11,597	10,588	8,655	6,697	4,024	1,507	237
1960 .....	88,331	2,090	8,240	18,029	11,906	11,179	11,755	10,093	7,537	5,116	2,025	362
1970 .....	98,912	1,778	6,968	20,759	17,551	12,217	11,231	11,199	8,793	5,437	2,436	542
1980 .....	110,053	1,806	6,556	17,855	21,418	18,382	12,570	11,009	10,152	6,757	2,867	682
1990 .....	121,239	2,018	7,581	17,971	18,915	21,564	18,510	12,232	9,955	7,907	3,745	841
1999 .....	133,277	1,952	7,731	20,220	19,334	18,826	22,254	17,499	11,150	8,199	4,871	1,240
2000 <sup>1</sup> .....	134,626	1,965	7,742	20,309	19,636	18,600	22,307	18,171	11,434	8,204	4,963	1,293
Female												
1950 .....	75,864	1,545	6,383	11,944	11,181	12,162	10,863	8,688	6,672	4,316	1,771	340
1960 .....	90,992	2,022	7,969	17,437	12,114	11,639	12,326	10,393	8,036	5,881	2,609	567
1970 .....	104,300	1,707	6,701	19,986	17,890	12,690	11,857	12,021	9,797	6,998	3,683	969
1980 .....	116,493	1,727	6,259	17,087	21,068	18,700	13,065	11,791	11,551	8,825	4,862	1,559
1990 .....	127,471	1,928	7,231	17,124	18,098	21,596	18,925	12,824	11,158	10,139	6,267	2,180
1999 .....	139,414	1,868	7,392	19,276	18,439	19,110	22,558	18,303	12,239	10,020	7,276	2,935
2000 <sup>1</sup> .....	140,639	1,882	7,407	19,365	18,731	18,831	22,585	18,982	12,540	9,964	7,350	3,003
White male												
1950 .....	67,129	1,400	5,845	10,860	9,689	10,430	9,529	7,836	6,180	3,736	1,406	218
1960 .....	78,367	1,784	7,065	15,659	10,483	9,940	10,564	9,114	6,850	4,702	1,875	331
1970 .....	86,721	1,501	5,873	17,667	15,232	10,775	9,979	10,090	7,958	4,916	2,243	487
1980 .....	94,924	1,485	5,397	14,764	18,110	15,928	11,005	9,771	9,149	6,095	2,600	621
1990 .....	102,143	1,604	6,071	14,467	15,389	18,071	15,819	10,624	8,813	7,127	3,397	760
1999 .....	110,336	1,549	6,156	15,940	15,441	15,273	18,540	14,954	9,710	7,244	4,414	1,114
2000 <sup>1</sup> .....	111,196	1,551	6,158	15,993	15,672	14,986	18,515	15,488	9,944	7,234	4,494	1,162
White female												
1950 .....	67,813	1,341	5,599	10,431	9,821	10,851	9,719	7,868	6,168	4,031	1,669	314
1960 .....	80,465	1,714	6,795	15,068	10,596	10,204	11,000	9,364	7,327	5,428	2,441	527
1970 .....	91,028	1,434	5,615	16,912	15,420	11,004	10,349	10,756	8,853	6,366	3,429	890
1980 .....	99,788	1,410	5,121	14,048	17,643	15,887	11,227	10,282	10,324	7,950	4,457	1,440
1990 .....	106,561	1,524	5,762	13,706	14,599	17,757	15,834	10,946	9,698	9,048	5,687	2,001
1999 .....	114,275	1,478	5,860	15,154	14,574	15,158	18,406	15,295	10,424	8,715	6,551	2,659
2000 <sup>1</sup> .....	115,056	1,481	5,867	15,207	14,793	14,880	18,375	15,821	10,664	8,638	6,612	2,718
Black male												
1950 .....	7,300	---	<sup>2</sup> 944	1,442	1,162	1,105	1,003	772	459	299	<sup>3</sup> 113	---
1960 .....	9,114	281	1,082	2,185	1,305	1,120	1,086	891	617	382	137	29
1970 .....	10,748	245	975	2,784	2,041	1,226	1,084	979	739	461	169	46
1980 .....	12,612	270	970	2,618	2,813	1,974	1,238	1,026	855	568	228	53
1990 .....	14,420	322	1,164	2,700	2,669	2,592	1,962	1,175	878	614	277	66
1999 .....	16,557	289	1,130	3,167	2,882	2,505	2,654	1,784	1,015	708	333	92
2000 <sup>1</sup> .....	16,776	296	1,131	3,181	2,931	2,483	2,683	1,878	1,044	715	340	94
Black female												
1950 .....	7,745	---	<sup>2</sup> 941	1,446	1,300	1,260	1,112	796	443	322	<sup>3</sup> 125	---
1960 .....	9,758	283	1,085	2,191	1,404	1,300	1,229	974	663	430	160	38
1970 .....	11,832	243	970	2,773	2,196	1,456	1,309	1,134	868	582	230	71
1980 .....	14,071	267	953	2,583	2,942	2,272	1,490	1,260	1,061	777	360	106
1990 .....	16,063	316	1,137	2,641	2,700	2,905	2,279	1,416	1,135	884	495	156
1999 .....	18,305	280	1,097	3,066	2,859	2,781	2,999	2,145	1,330	971	556	221
2000 <sup>1</sup> .....	18,527	286	1,095	3,079	2,904	2,753	3,023	2,252	1,368	982	560	225

See notes at end of table.

**Table 1 (page 2 of 2). Resident population, according to age, sex, race, and Hispanic origin: United States, selected years 1950–2000**

[Data are based on decennial census updated by data from multiple sources]

<i>Sex, race, Hispanic origin, and year</i>	<i>Total resident population</i>	<i>Under 1 year</i>	<i>1–4 years</i>	<i>5–14 years</i>	<i>15–24 years</i>	<i>25–34 years</i>	<i>35–44 years</i>	<i>45–54 years</i>	<i>55–64 years</i>	<i>65–74 years</i>	<i>75–84 years</i>	<i>85 years and over</i>
Number in thousands												
American Indian or Alaska Native male												
1980 .....	702	17	60	153	164	114	75	53	37	22	9	2
1990 .....	1,024	24	88	206	192	183	140	86	55	32	13	3
1999 .....	1,187	21	81	238	216	191	178	124	70	41	21	6
2000 <sup>1</sup> .....	1,206	22	83	237	221	193	180	129	72	42	22	7
American Indian or Alaska Native female												
1980 .....	718	16	57	149	158	118	79	57	41	26	12	4
1990 .....	1,041	24	85	200	178	186	148	92	61	41	21	6
1999 .....	1,211	21	79	230	213	183	181	132	79	50	29	14
2000 <sup>1</sup> .....	1,230	22	81	229	219	183	181	137	81	51	30	15
Asian or Pacific Islander male												
1980 .....	1,814	35	129	321	334	367	252	159	110	72	29	6
1990 .....	3,652	68	258	598	665	718	588	347	208	133	57	12
1999 .....	5,196	92	364	875	796	856	882	637	356	207	102	28
2000 <sup>1</sup> .....	5,447	95	372	899	812	937	930	676	375	214	107	30
Asian or Pacific Islander female												
1980 .....	1,915	34	127	307	325	423	269	193	126	70	33	9
1990 .....	3,805	65	247	578	621	749	664	371	264	166	65	17
1999 .....	5,624	89	356	825	794	987	973	731	406	284	139	41
2000 <sup>1</sup> .....	5,826	93	365	850	815	1,015	1,005	772	427	292	148	45
Hispanic male												
1980 .....	7,280	187	661	1,530	1,646	1,255	761	570	364	201	86	19
1990 .....	11,388	279	980	2,128	2,376	2,310	1,471	818	551	312	131	32
1999 .....	15,761	368	1,402	3,055	2,840	2,694	2,423	1,424	778	486	228	64
2000 <sup>1</sup> .....	16,312	377	1,435	3,181	2,925	2,708	2,522	1,522	818	510	245	69
Hispanic female												
1980 .....	7,329	181	634	1,482	1,547	1,249	805	615	411	257	116	30
1990 .....	10,966	268	939	2,039	2,028	2,073	1,448	868	632	403	209	59
1999 .....	15,576	354	1,344	2,928	2,630	2,536	2,325	1,491	901	616	326	126
2000 <sup>1</sup> .....	16,152	362	1,378	3,047	2,712	2,576	2,416	1,587	947	644	347	135
White, non-Hispanic male												
1980 .....	88,035	1,308	4,773	13,318	16,555	14,739	10,285	9,229	8,802	5,906	2,519	603
1990 .....	91,743	1,351	5,181	12,525	13,219	15,967	14,481	9,875	8,303	6,837	3,275	729
1999 .....	95,962	1,213	4,874	13,168	12,843	12,814	16,341	13,660	8,998	6,796	4,202	1,054
2000 <sup>1</sup> .....	96,316	1,206	4,844	13,104	12,997	12,512	16,224	14,106	9,196	6,764	4,265	1,098
White, non-Hispanic female												
1980 .....	92,872	1,240	4,522	12,647	16,185	14,711	10,468	9,700	9,935	7,708	4,345	1,411
1990 .....	96,557	1,280	4,909	11,846	12,749	15,872	14,520	10,153	9,116	8,674	5,491	1,945
1999 .....	100,087	1,154	4,631	12,494	12,176	12,853	16,298	13,941	9,601	8,149	6,249	2,541
2000 <sup>1</sup> .....	100,338	1,149	4,605	12,437	12,322	12,536	16,182	14,379	9,799	8,047	6,290	2,591

--- Data not available.

<sup>1</sup>Estimates are projected from the 1990 Census.

<sup>2</sup>Population for age group under 5 years.

<sup>3</sup>Population for age group 75 years and over.

NOTES: The race groups, white, black, American Indian or Alaska Native, and Asian or Pacific Islander, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Population figures are census counts as of April 1 for 1950, 1960, 1970, 1980, and 1990 and estimates as of July 1 for other years. Population estimates for 2000 are as of July 1 and are projected from the 1990 Census. See Appendix I, Population estimates. Populations for age groups may not sum to the total due to rounding. Although population figures are shown rounded to the nearest 1,000, calculations of birth rates and death rates shown in this volume are based on unrounded population figures for decennial years and starting with data year 1992. See Appendix II, Rate. Data for additional years are available (see Appendix III).

SOURCES: U.S. Bureau of the Census: 1950 Nonwhite Population by Race. Special Report P-E, No. 3B. Washington. U.S. Government Printing Office, 1951; U.S. Census of Population: 1960, Number of Inhabitants, PC(1)-A1, United States Summary, 1964; 1970, Number of Inhabitants, Final Report PC(1)-A1, United States Summary, 1971; U.S. population estimates, by age, sex, race, and Hispanic origin: 1980 to 1991. Current population reports, series P-25, no 1095. Washington. U.S. Government Printing Office, Feb. 1993; U.S. resident population—estimates by age, sex, race, and Hispanic origin (consistent with the 1990 Census, as enumerated): 1992. Census files RESP0792 in PPL-21, series 1294. 1993; July 1, 1993. RES0793. 1994; July 1, 1994. RESD0794. 1995; July 1, 1995. RESD0795. 1996; July 1, 1996. NESTV96 in PPL-57. 1997; July 1, 1997. NESTV97 in PPL-91R. 1998; July 1, 1998. NESTV98. 1999; July 1, 1999. NESTV99. 2000; U.S. Census Bureau unpublished 1990-based estimates of July 1, 2000 U.S. Population by age, sex, race, and Hispanic origin.



**Table 27. Life expectancy at birth and at 65 years of age, according to sex: Selected countries, 1992 and 1997**

[Data are based on reporting by countries]

Country	At birth		At 65 years	
	1992	1997 <sup>1</sup>	1992	1997 <sup>1</sup>
<b>Male</b>				
	Life expectancy in years			
Japan . . . . .	76.1	77.2	16.3	17.0
Sweden . . . . .	75.4	76.7	15.6	16.2
Switzerland . . . . .	74.5	76.3	15.7	16.5
Canada . . . . .	74.9	75.8	16.0	16.3
Greece . . . . .	74.7	75.6	15.7	16.5
Australia . . . . .	74.5	75.6	15.4	16.1
Norway . . . . .	74.2	75.5	15.0	15.5
Netherlands . . . . .	74.3	75.2	14.7	15.0
Italy . . . . .	74.0	74.9	15.4	15.8
Spain . . . . .	73.8	74.9	15.8	16.1
New Zealand . . . . .	73.1	74.9	15.0	15.9
United Kingdom <sup>2</sup> . . . . .	73.6	74.7	14.3	15.1
France . . . . .	73.2	74.6	15.9	16.3
Finland . . . . .	73.2	74.6	13.9	15.0
Belgium . . . . .	73.1	74.3	14.6	15.2
Austria . . . . .	72.7	74.3	14.7	15.4
Germany . . . . .	72.6	74.0	14.5	15.2
Costa Rica . . . . .	74.0	74.0	---	---
United States . . . . .	72.3	73.6	15.4	15.9
Denmark . . . . .	72.6	73.6	14.2	14.6
Ireland . . . . .	72.7	73.4	13.5	14.1
Portugal . . . . .	70.7	71.6	14.2	14.4
Puerto Rico . . . . .	69.2	71.4	16.3	21.5
Czech Republic . . . . .	68.5	70.5	12.2	13.2
Slovakia . . . . .	67.6	68.9	13.1	12.9
Poland . . . . .	66.7	68.5	12.5	15.5
Bulgaria . . . . .	67.8	67.0	12.9	12.4
Hungary . . . . .	64.6	66.4	11.8	12.3
Romania . . . . .	66.1	65.3	12.7	12.7
Russian Federation . . . . .	62.0	61.0	11.9	11.4
<b>Female</b>				
Japan . . . . .	82.2	83.8	20.3	21.8
France . . . . .	81.4	82.2	20.3	20.8
Switzerland . . . . .	81.3	82.1	19.9	20.4
Spain . . . . .	81.1	81.9	19.6	20.0
Sweden . . . . .	80.8	81.8	19.2	19.9
Canada . . . . .	81.2	81.4	20.0	20.1
Italy . . . . .	80.6	81.3	19.2	20.2
Australia . . . . .	80.4	81.3	19.2	19.8
Norway . . . . .	80.3	81.0	19.0	19.4
Greece . . . . .	79.6	80.8	18.0	18.9
Belgium . . . . .	79.8	80.6	18.8	19.4
Austria . . . . .	79.2	80.6	18.1	19.1
Netherlands . . . . .	80.3	80.5	19.1	19.2
Finland . . . . .	79.4	80.5	18.1	18.9
Germany . . . . .	79.2	80.3	18.1	18.9
New Zealand . . . . .	78.9	80.1	18.6	19.4
United Kingdom <sup>2</sup> . . . . .	79.0	79.6	18.1	18.4
Costa Rica . . . . .	79.1	79.5	---	---
United States . . . . .	79.1	79.4	19.2	19.2
Puerto Rico . . . . .	78.9	79.3	19.4	19.9
Portugal . . . . .	78.0	78.8	17.5	17.9
Ireland . . . . .	78.2	78.6	17.2	17.5
Denmark . . . . .	78.0	78.4	17.8	17.9
Czech Republic . . . . .	76.1	77.5	15.9	16.6
Poland . . . . .	75.7	77.0	16.1	16.1
Slovakia . . . . .	76.2	76.7	16.8	16.6
Hungary . . . . .	73.7	75.1	15.4	16.2
Bulgaria . . . . .	74.8	73.8	15.5	14.9
Romania . . . . .	73.3	73.4	15.1	15.3
Russian Federation . . . . .	73.8	73.0	15.9	15.3

--- Data not available.

<sup>1</sup>Data from Puerto Rico are for 1998.

<sup>2</sup>United Kingdom includes England and Wales, Northern Ireland, and Scotland.

NOTE: Rankings are from highest to lowest life expectancy at birth for the more recent year based on the latest available data for countries or geographic areas with at least 1 million population.

SOURCES: Eurostat Key Data on Health 2000, 1999 Edition. [www.europa.eu.int/comm/eurostat/](http://www.europa.eu.int/comm/eurostat/); Organization for Economic Cooperation and Development (OECD) Health Data 2001: WHO Regional Office for Europe, European Public Health Information Network for Eastern Europe, [www.euphin.dk/](http://www.euphin.dk/); OECD Health Data 2001, OECD Paris, A Comparative Analysis of 30 Countries, [www.oecd.org/els/health/](http://www.oecd.org/els/health/); Programa Centroamericano de Población, Universidad de Costa Rica. [populi.eest.ucr.ac.cr/observa/series/serie3.htm](http://populi.eest.ucr.ac.cr/observa/series/serie3.htm); Commonwealth of Puerto Rico, Department of Health, Auxiliary Secretariat for Planning, Evaluation, Statistics, and Information Systems: Unpublished data; Centers for Disease Control and Prevention, National Center for Health Statistics. Vital statistics of the United States, (selected years). Public Health Service. Washington, DC. [www.cdc.gov/nchs/about/major/dvs/mortdata.htm](http://www.cdc.gov/nchs/about/major/dvs/mortdata.htm).

**Table 28. Life expectancy at birth, at 65 years of age, and at 75 years of age, according to race and sex: United States, selected years 1900–2000**

[Data are based on death certificates]

Specified age and year	All races			White			Black <sup>1</sup>		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
At birth			Remaining life expectancy in years						
1900 <sup>2,3</sup>	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5
1950 <sup>3</sup>	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9
1960 <sup>3</sup>	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3
1970	70.8	67.1	74.7	71.7	68.0	75.6	64.1	60.0	68.3
1980	73.7	70.0	77.4	74.4	70.7	78.1	68.1	63.8	72.5
1985	74.7	71.1	78.2	75.3	71.8	78.7	69.3	65.0	73.4
1990	75.4	71.8	78.8	76.1	72.7	79.4	69.1	64.5	73.6
1991	75.5	72.0	78.9	76.3	72.9	79.6	69.3	64.6	73.8
1992	75.8	72.3	79.1	76.5	73.2	79.8	69.6	65.0	73.9
1993	75.5	72.2	78.8	76.3	73.1	79.5	69.2	64.6	73.7
1994	75.7	72.4	79.0	76.5	73.3	79.6	69.5	64.9	73.9
1995	75.8	72.5	78.9	76.5	73.4	79.6	69.6	65.2	73.9
1996	76.1	73.1	79.1	76.8	73.9	79.7	70.2	66.1	74.2
1997	76.5	73.6	79.4	77.1	74.3	79.9	71.1	67.2	74.7
1998	76.7	73.8	79.5	77.3	74.5	80.0	71.3	67.6	74.8
1999	76.7	73.9	79.4	77.3	74.6	79.9	71.4	67.8	74.7
2000	76.9	74.1	79.5	77.4	74.8	80.0	71.7	68.2	74.9
At 65 years									
1950 <sup>2</sup>	13.9	12.8	15.0	---	12.8	15.1	13.9	12.9	14.9
1960 <sup>2</sup>	14.3	12.8	15.8	14.4	12.9	15.9	13.9	12.7	15.1
1970	15.2	13.1	17.0	15.2	13.1	17.1	14.2	12.5	15.7
1980	16.4	14.1	18.3	16.5	14.2	18.4	15.1	13.0	16.8
1985	16.7	14.5	18.5	16.8	14.5	18.7	15.2	13.0	16.9
1990	17.2	15.1	18.9	17.3	15.2	19.1	15.4	13.2	17.2
1991	17.4	15.3	19.1	17.5	15.4	19.2	15.5	13.4	17.2
1992	17.5	15.4	19.2	17.6	15.5	19.3	15.7	13.5	17.4
1993	17.3	15.3	18.9	17.4	15.4	19.0	15.5	13.4	17.1
1994	17.4	15.5	19.0	17.5	15.6	19.1	15.7	13.6	17.2
1995	17.4	15.6	18.9	17.6	15.7	19.1	15.6	13.6	17.1
1996	17.5	15.7	19.0	17.6	15.8	19.1	15.8	13.9	17.2
1997	17.7	15.9	19.2	17.8	16.0	19.3	16.1	14.2	17.6
1998	17.8	16.0	19.2	17.8	16.1	19.3	16.1	14.3	17.4
1999	17.7	16.1	19.1	17.8	16.1	19.2	16.0	14.3	17.3
2000	17.9	16.3	19.2	17.9	16.3	19.2	16.2	14.5	17.4
At 75 years									
1980	10.4	8.8	11.5	10.4	8.8	11.5	9.7	8.3	10.7
1985	10.6	9.0	11.7	10.6	9.0	11.7	10.1	8.7	11.1
1990	10.9	9.4	12.0	11.0	9.4	12.0	10.2	8.6	11.2
1991	11.1	9.5	12.1	11.1	9.5	12.1	10.2	8.7	11.2
1992	11.2	9.6	12.2	11.2	9.6	12.2	10.4	8.9	11.4
1993	10.9	9.5	11.9	11.0	9.5	12.0	10.2	8.7	11.1
1994	11.0	9.6	12.0	11.1	9.6	12.0	10.3	8.9	11.2
1995	11.0	9.7	11.9	11.1	9.7	12.0	10.2	8.8	11.1
1996	11.1	9.8	12.0	11.1	9.8	12.0	10.3	9.0	11.2
1997	11.2	9.9	12.1	11.2	9.9	12.1	10.7	9.3	11.5
1998	11.3	10.0	12.2	11.3	10.0	12.2	10.5	9.2	11.3
1999	11.2	10.0	12.1	11.2	10.0	12.1	10.4	9.2	11.1
2000	11.3	10.1	12.1	11.3	10.1	12.1	10.5	9.4	11.2

<sup>1</sup>Data shown for 1900–60 are for the nonwhite population.

<sup>2</sup>Death registration area only. The death registration area increased from 10 States and the District of Columbia in 1900 to the coterminous United States in 1933.

<sup>3</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

NOTES: Beginning in 1997 life table methodology was revised to construct complete life tables by single years of age that extend to age 100. (Anderson RN. Method for Constructing Complete Annual U.S. Life Tables. National Center for Health Statistics. Vital Health Stat 2(129). 1999.) Previously abridged life tables were constructed for 5-year age groups ending with the age group 85 years and over. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. Vital Statistics Rates in the United States, 1940–1960. DHEW Pub. No. (PHS) 1677. Public Health Service. Washington: U.S. Government Printing Office, 1968; life expectancy trend data available at [www.cdc.gov/nchs/about/major/dvs/mortdata.htm](http://www.cdc.gov/nchs/about/major/dvs/mortdata.htm); Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 33 (page 1 of 2). Leading causes of death and numbers of deaths, according to age: United States, 1980 and 2000**

[Data are based on death certificates]

Age and rank order	1980		2000	
	Cause of death	Deaths	Cause of death	Deaths
<b>Under 1 year</b>				
...	All causes	45,526	All causes	28,035
1. ....	Congenital anomalies	9,220	Congenital malformations, deformations and chromosomal abnormalities	5,743
2. ....	Sudden infant death syndrome	5,510	Disorders related to short gestation and low birth weight, not elsewhere classified	4,397
3. ....	Respiratory distress syndrome	4,989	Sudden infant death syndrome	2,523
4. ....	Disorders relating to short gestation and unspecified low birthweight	3,648	Newborn affected by maternal complications of pregnancy	1,404
5. ....	Newborn affected by maternal complications of pregnancy	1,572	Newborn affected by complications of placenta, cord and membranes	1,062
6. ....	Intrauterine hypoxia and birth asphyxia	1,497	Respiratory distress of newborn	999
7. ....	Unintentional injuries	1,166	Unintentional injuries	881
8. ....	Birth trauma	1,058	Bacterial sepsis of newborn	768
9. ....	Pneumonia and influenza	1,012	Diseases of circulatory system	663
10. ....	Newborn affected by complications of placenta, cord, and membranes	985	Intrauterine hypoxia and birth asphyxia	630
<b>1–4 years</b>				
...	All causes	8,187	All causes	4,979
1. ....	Unintentional injuries	3,313	Unintentional injuries	1,826
2. ....	Congenital anomalies	1,026	Congenital malformations, deformations and chromosomal abnormalities	495
3. ....	Malignant neoplasms	573	Malignant neoplasms	420
4. ....	Diseases of heart	338	Homicide	356
5. ....	Homicide	319	Diseases of heart	181
6. ....	Pneumonia and influenza	267	Influenza and pneumonia	103
7. ....	Meningitis	223	Septicemia	99
8. ....	Meningococcal infection	110	Certain conditions originating in the perinatal period	79
9. ....	Certain conditions originating in the perinatal period	84	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	53
10. ....	Septicemia	71	Chronic lower respiratory diseases	51
<b>5–14 years</b>				
...	All causes	10,689	All causes	7,413
1. ....	Unintentional injuries	5,224	Unintentional injuries	2,979
2. ....	Malignant neoplasms	1,497	Malignant neoplasms	1,014
3. ....	Congenital anomalies	561	Congenital malformations, deformations and chromosomal abnormalities	399
4. ....	Homicide	415	Homicide	371
5. ....	Diseases of heart	330	Suicide	307
6. ....	Pneumonia and influenza	194	Diseases of heart	271
7. ....	Suicide	142	Chronic lower respiratory diseases	139
8. ....	Benign neoplasms	104	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	99
9. ....	Cerebrovascular diseases	95	Influenza and pneumonia	87
10. ....	Chronic obstructive pulmonary diseases	85	Cerebrovascular diseases	76
<b>15–24 years</b>				
...	All causes	49,027	All causes	31,307
1. ....	Unintentional injuries	26,206	Unintentional injuries	14,113
2. ....	Homicide	6,537	Homicide	4,939
3. ....	Suicide	5,239	Suicide	3,994
4. ....	Malignant neoplasms	2,683	Malignant neoplasms	1,713
5. ....	Diseases of heart	1,223	Diseases of heart	1,031
6. ....	Congenital anomalies	600	Congenital malformations, deformations and chromosomal abnormalities	441
7. ....	Cerebrovascular diseases	418	Cerebrovascular diseases	199
8. ....	Pneumonia and influenza	348	Chronic lower respiratory diseases	190
9. ....	Chronic obstructive pulmonary diseases	141	Influenza and pneumonia	189
10. ....	Anemias	133	Human immunodeficiency virus (HIV) disease	179

See footnotes at end of table.

**Table 33 (page 2 of 2). Leading causes of death and numbers of deaths, according to age: United States, 1980 and 2000**

[Data are based on death certificates]

Age and rank order	1980		2000	
	Cause of death	Deaths	Cause of death	Deaths
25–44 years				
...	All causes	108,658	All causes	130,249
1. ....	Unintentional injuries	26,722	Unintentional injuries	27,182
2. ....	Malignant neoplasms	17,551	Malignant neoplasms	20,436
3. ....	Diseases of heart	14,513	Diseases of heart	16,139
4. ....	Homicide	10,983	Suicide	11,354
5. ....	Suicide	9,855	Human immunodeficiency virus (HIV) disease	8,356
6. ....	Chronic liver disease and cirrhosis	4,782	Homicide	7,383
7. ....	Cerebrovascular diseases	3,154	Chronic liver disease and cirrhosis	3,786
8. ....	Diabetes mellitus	1,472	Cerebrovascular diseases	3,201
9. ....	Pneumonia and influenza	1,467	Diabetes mellitus	2,549
10. ....	Congenital anomalies	817	Influenza and pneumonia	1,432
45–64 years				
...	All causes	425,338	All causes	401,187
1. ....	Diseases of heart	148,322	Malignant neoplasms	137,039
2. ....	Malignant neoplasms	135,675	Diseases of heart	98,879
3. ....	Cerebrovascular diseases	19,909	Unintentional injuries	19,783
4. ....	Unintentional injuries	18,140	Cerebrovascular diseases	15,967
5. ....	Chronic liver disease and cirrhosis	16,089	Diabetes mellitus	14,140
6. ....	Chronic obstructive pulmonary diseases	11,514	Chronic lower respiratory diseases	13,990
7. ....	Diabetes mellitus	7,977	Chronic liver disease and cirrhosis	12,428
8. ....	Suicide	7,079	Suicide	8,382
9. ....	Pneumonia and influenza	5,804	Human immunodeficiency virus (HIV) disease	5,381
10. ....	Homicide	4,019	Nephritis, nephrotic syndrome and nephrosis	4,751
65 years and over				
...	All causes	1,341,848	All causes	1,799,825
1. ....	Diseases of heart	595,406	Diseases of heart	593,707
2. ....	Malignant neoplasms	258,389	Malignant neoplasms	392,366
3. ....	Cerebrovascular diseases	146,417	Cerebrovascular diseases	148,045
4. ....	Pneumonia and influenza	45,512	Chronic lower respiratory diseases	106,375
5. ....	Chronic obstructive pulmonary diseases	43,587	Influenza and pneumonia	58,557
6. ....	Atherosclerosis	28,081	Diabetes mellitus	52,414
7. ....	Diabetes mellitus	25,216	Alzheimer's disease	48,993
8. ....	Unintentional injuries	24,844	Nephritis, nephrotic syndrome and nephrosis	31,225
9. ....	Nephritis, nephrotic syndrome, and nephrosis	12,968	Unintentional injuries	31,051
10. ....	Chronic liver disease and cirrhosis	9,519	Septicemia	24,786

... Category not applicable.

NOTES: Cause of death code numbers are based on the *International Classification of Diseases, 9th Revision* (ICD–9) in 1980 and ICD–10 in 2000. See Appendix II, tables IV and V.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, vol II, mortality, part A*, 1980. Washington: Public Health Service. 1985; Anderson RN. Deaths: Leading causes for 2000. National vital statistics reports. vol 50 no 16. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 36 (page 1 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
Deaths per 100,000 resident population										
<b>All persons</b>										
All ages, age adjusted . . . . .	1,446.0	1,339.2	1,222.6	1,039.1	938.7	918.5	887.3	875.8	881.9	872.0
All ages, crude . . . . .	963.8	954.7	945.3	878.3	863.8	880.0	864.7	864.7	877.0	873.1
Under 1 year . . . . .	3,299.2	2,696.4	2,142.4	1,288.3	971.9	768.8	738.7	751.3	731.4	728.7
1–4 years . . . . .	139.4	109.1	84.5	63.9	46.8	40.6	35.8	34.6	34.7	32.9
5–14 years . . . . .	60.1	46.6	41.3	30.6	24.0	22.5	20.8	19.9	19.2	18.7
15–24 years . . . . .	128.1	106.3	127.7	115.4	99.2	95.3	86.2	82.3	81.2	81.6
25–34 years . . . . .	178.7	146.4	157.4	135.5	139.2	141.3	115.0	109.6	108.3	108.1
35–44 years . . . . .	358.7	299.4	314.5	227.9	223.2	240.8	203.2	199.6	199.2	200.0
45–54 years . . . . .	853.9	756.0	730.0	584.0	473.4	460.1	430.8	423.5	427.3	431.6
55–64 years . . . . .	1,901.0	1,735.1	1,658.8	1,346.3	1,196.9	1,114.5	1,063.6	1,030.7	1,021.8	1,004.6
65–74 years . . . . .	4,104.3	3,822.1	3,582.7	2,994.9	2,648.6	2,563.5	2,509.8	2,495.1	2,484.3	2,428.6
75–84 years . . . . .	9,331.1	8,745.2	8,004.4	6,692.6	6,007.2	5,851.8	5,728.2	5,703.2	5,751.3	5,688.4
85 years and over . . . . .	20,196.9	19,857.5	16,344.9	15,980.3	15,327.4	15,469.5	15,345.2	15,111.7	15,476.1	15,321.5
<b>Male</b>										
All ages, age adjusted . . . . .	1,674.2	1,609.0	1,542.1	1,348.1	1,202.8	1,150.3	1,090.5	1,064.6	1,061.8	1,042.5
All ages, crude . . . . .	1,106.1	1,104.5	1,090.3	976.9	918.4	914.1	880.8	876.4	882.0	874.7
Under 1 year . . . . .	3,728.0	3,059.3	2,410.0	1,428.5	1,082.8	843.8	812.8	818.2	801.5	799.9
1–4 years . . . . .	151.7	119.5	93.2	72.6	52.4	44.8	39.7	37.6	38.5	36.5
5–14 years . . . . .	70.9	55.7	50.5	36.7	28.5	26.7	24.0	23.4	22.2	21.7
15–24 years . . . . .	167.9	152.1	188.5	172.3	147.4	140.5	124.0	119.3	115.9	117.5
25–34 years . . . . .	216.5	187.9	215.3	196.1	204.3	204.7	160.1	151.7	150.2	149.9
35–44 years . . . . .	428.8	372.8	402.6	299.2	310.4	333.0	265.7	258.5	256.7	256.9
45–54 years . . . . .	1,067.1	992.2	958.5	767.3	610.3	598.9	550.5	542.8	546.7	552.5
55–64 years . . . . .	2,395.3	2,309.5	2,282.7	1,815.1	1,553.4	1,416.7	1,336.6	1,296.9	1,280.0	1,253.5
65–74 years . . . . .	4,931.4	4,914.4	4,873.8	4,105.2	3,491.5	3,284.6	3,191.2	3,143.7	3,109.3	3,015.7
75–84 years . . . . .	10,426.0	10,178.4	10,010.2	8,816.7	7,888.6	7,377.1	7,116.1	7,019.2	6,999.8	6,854.7
85 years and over . . . . .	21,636.0	21,186.3	17,821.5	18,801.1	18,056.6	17,978.9	17,461.9	16,763.3	16,931.3	16,605.4
<b>Female</b>										
All ages, age adjusted . . . . .	1,236.0	1,105.3	971.4	817.9	750.9	748.2	736.3	732.7	743.6	739.1
All ages, crude . . . . .	823.5	809.2	807.8	785.3	812.0	847.3	849.2	853.5	872.2	871.6
Under 1 year . . . . .	2,854.6	2,321.3	1,863.7	1,141.7	855.7	690.1	661.1	681.3	658.1	654.3
1–4 years . . . . .	126.7	98.4	75.4	54.7	41.0	36.2	31.8	31.4	30.8	29.1
5–14 years . . . . .	48.9	37.3	31.8	24.2	19.3	18.2	17.4	16.2	16.1	15.6
15–24 years . . . . .	89.1	61.3	68.1	57.5	49.0	48.1	46.3	43.5	44.7	44.0
25–34 years . . . . .	142.7	106.6	101.6	75.9	74.2	77.9	69.9	68.1	66.9	66.7
35–44 years . . . . .	290.3	229.4	231.1	159.3	137.9	150.1	141.4	141.5	142.5	143.9
45–54 years . . . . .	641.5	526.7	517.2	412.9	342.7	327.6	316.1	309.6	313.1	315.8
55–64 years . . . . .	1,404.8	1,196.4	1,098.9	934.3	878.8	840.8	815.2	788.4	786.5	777.7
65–74 years . . . . .	3,333.2	2,871.8	2,579.7	2,144.7	1,991.2	1,986.1	1,959.0	1,967.7	1,972.9	1,945.1
75–84 years . . . . .	8,399.6	7,633.1	6,677.6	5,440.1	4,883.1	4,882.7	4,820.5	4,831.9	4,915.4	4,900.9
85 years and over . . . . .	19,194.7	19,008.4	15,518.0	14,746.9	14,274.3	14,492.4	14,492.3	14,427.4	14,861.2	14,768.6
<b>White male</b>										
All ages, age adjusted . . . . .	1,642.5	1,586.0	1,513.7	1,317.6	1,165.9	1,112.7	1,062.5	1,038.5	1,035.8	1,018.2
All ages, crude . . . . .	1,089.5	1,098.5	1,086.7	983.3	930.9	932.1	906.3	904.4	911.2	905.8
Under 1 year . . . . .	3,400.5	2,694.1	2,113.2	1,230.3	896.1	717.5	678.1	673.8	658.1	656.2
1–4 years . . . . .	135.5	104.9	83.6	66.1	45.9	38.8	35.1	32.5	33.9	32.5
5–14 years . . . . .	67.2	52.7	48.0	35.0	26.4	24.5	22.1	21.2	20.3	20.4
15–24 years . . . . .	152.4	143.7	170.8	167.0	131.3	122.3	109.0	107.6	104.9	107.6
25–34 years . . . . .	185.3	163.2	176.6	171.3	176.1	177.7	140.3	133.9	134.5	134.4
35–44 years . . . . .	380.9	332.6	343.5	257.4	268.2	287.7	235.3	232.7	231.5	234.3
45–54 years . . . . .	984.5	932.2	882.9	698.9	548.7	534.6	495.8	489.6	494.2	502.7
55–64 years . . . . .	2,304.4	2,225.2	2,202.6	1,728.5	1,467.2	1,330.8	1,252.4	1,215.5	1,200.2	1,177.7
65–74 years . . . . .	4,864.9	4,848.4	4,810.1	4,035.7	3,397.7	3,199.0	3,122.7	3,082.3	3,043.2	2,949.8
75–84 years . . . . .	10,526.3	10,299.6	10,098.8	8,829.8	7,844.9	7,320.6	7,086.0	6,988.5	6,965.1	6,817.7
85 years and over . . . . .	22,116.3	21,750.0	18,551.7	19,097.3	18,268.3	18,152.9	17,767.1	17,048.3	17,202.1	16,897.7

See footnotes at end of table.



**Table 36 (page 2 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
Deaths per 100,000 resident population										
<b>Black male</b>										
All ages, age adjusted . . . . .	1,909.1	1,811.1	1,873.9	1,697.8	1,644.5	1,582.3	1,446.7	1,410.6	1,412.5	1,377.8
All ages, crude . . . . .	1,257.7	1,181.7	1,186.6	1,034.1	1,008.0	980.7	893.9	877.7	880.0	865.4
Under 1 year . . . . .	---	5,306.8	4,298.9	2,586.7	2,112.4	1,590.8	1,671.6	1,717.8	1,694.0	1,653.2
1–4 years <sup>2</sup> . . . . .	1,412.6	208.5	150.5	110.5	85.8	77.5	67.2	69.2	66.0	61.2
5–14 years . . . . .	95.1	75.1	67.1	47.4	41.2	40.2	34.8	35.6	34.6	30.6
15–24 years . . . . .	289.7	212.0	320.6	209.1	252.2	249.2	215.8	194.6	185.6	181.4
25–34 years . . . . .	503.5	402.5	559.5	407.3	430.8	416.5	308.6	282.0	268.4	271.8
35–44 years . . . . .	878.1	762.0	956.6	689.8	699.6	721.2	523.7	483.1	473.6	456.7
45–54 years . . . . .	1,905.0	1,624.8	1,777.5	1,479.9	1,261.0	1,273.0	1,114.1	1,082.6	1,081.9	1,060.3
55–64 years . . . . .	3,773.2	3,316.4	3,256.9	2,873.0	2,618.4	2,437.5	2,320.0	2,269.3	2,244.0	2,172.9
65–74 years . . . . .	5,310.3	5,798.7	5,803.2	5,131.1	4,946.1	4,610.5	4,298.3	4,186.0	4,182.8	4,065.5
75–84 years <sup>3</sup> . . . . .	10,101.9	8,605.1	9,454.9	9,231.6	9,129.5	8,778.8	8,296.8	8,311.4	8,352.6	8,240.2
85 years and over . . . . .	---	14,844.8	12,222.3	16,098.8	16,954.9	16,728.7	16,083.5	15,540.9	16,047.8	15,494.6
<b>American Indian or Alaska Native male<sup>4</sup></b>										
All ages, age adjusted . . . . .	---	---	---	1,111.5	916.2	864.2	880.3	856.7	842.0	828.6
All ages, crude . . . . .	---	---	---	597.1	476.4	502.3	519.2	513.2	513.3	512.8
Under 1 year . . . . .	---	---	---	1,598.1	1,056.6	689.3	903.0	1,028.1	839.5	867.2
1–4 years . . . . .	---	---	---	82.7	77.4	81.2	51.6	64.7	59.4	59.4
5–14 years . . . . .	---	---	---	43.7	33.4	30.3	28.7	29.5	23.1	25.8
15–24 years . . . . .	---	---	---	311.1	219.8	202.3	180.3	166.4	183.5	167.0
25–34 years . . . . .	---	---	---	360.6	256.1	284.2	245.4	235.1	218.5	212.5
35–44 years . . . . .	---	---	---	556.8	365.4	420.5	389.3	373.6	362.1	375.1
45–54 years . . . . .	---	---	---	871.3	619.9	668.1	673.4	664.2	683.1	667.0
55–64 years . . . . .	---	---	---	1,547.5	1,211.3	1,369.5	1,409.6	1,376.9	1,321.8	1,347.3
65–74 years . . . . .	---	---	---	2,968.4	2,461.7	2,605.2	2,847.2	2,682.8	2,816.8	2,676.6
75–84 years . . . . .	---	---	---	5,607.0	5,389.2	4,780.0	4,796.3	4,471.3	4,653.0	4,442.1
85 years and over . . . . .	---	---	---	12,635.2	11,243.9	7,404.3	7,888.1	8,486.2	6,946.2	7,299.0
<b>Asian or Pacific Islander male<sup>5</sup></b>										
All ages, age adjusted . . . . .	---	---	---	786.5	716.4	788.1	671.1	642.3	640.6	629.1
All ages, crude . . . . .	---	---	---	375.3	334.3	354.9	351.7	349.8	352.7	349.2
Under 1 year . . . . .	---	---	---	816.5	605.3	427.3	426.3	397.0	403.4	468.8
1–4 years . . . . .	---	---	---	50.9	45.0	26.8	25.5	17.6	26.6	21.2
5–14 years . . . . .	---	---	---	23.4	20.7	18.8	17.3	17.6	12.9	12.3
15–24 years . . . . .	---	---	---	80.8	76.0	81.2	67.2	59.9	58.7	63.6
25–34 years . . . . .	---	---	---	83.5	79.6	80.5	71.8	74.4	68.4	62.9
35–44 years . . . . .	---	---	---	128.3	130.8	131.4	115.7	108.2	112.4	106.8
45–54 years . . . . .	---	---	---	342.3	287.1	286.9	274.8	276.2	252.2	260.6
55–64 years . . . . .	---	---	---	881.1	789.1	745.1	750.8	709.3	701.6	684.4
65–74 years . . . . .	---	---	---	2,236.1	2,041.4	1,975.8	1,892.6	1,838.7	1,808.0	1,800.3
75–84 years . . . . .	---	---	---	5,389.5	5,008.6	5,182.4	4,749.1	4,534.8	4,581.6	4,510.5
85 years and over . . . . .	---	---	---	13,753.6	12,446.3	17,273.0	11,796.3	11,178.6	11,343.5	10,894.0
<b>Hispanic male<sup>6</sup></b>										
All ages, age adjusted . . . . .	---	---	---	---	886.4	864.5	760.2	743.7	736.0	718.8
All ages, crude . . . . .	---	---	---	---	411.6	412.1	360.5	366.4	367.9	368.9
Under 1 year . . . . .	---	---	---	---	921.8	687.2	654.3	678.5	655.3	666.6
1–4 years . . . . .	---	---	---	---	53.8	39.7	34.1	33.1	34.3	33.1
5–14 years . . . . .	---	---	---	---	26.0	25.3	18.7	20.2	19.4	19.6
15–24 years . . . . .	---	---	---	---	159.3	168.7	129.1	128.8	124.9	131.2
25–34 years . . . . .	---	---	---	---	234.0	215.7	154.5	148.4	151.6	155.1
35–44 years . . . . .	---	---	---	---	341.8	343.3	235.7	226.6	226.0	221.9
45–54 years . . . . .	---	---	---	---	533.9	533.3	456.1	449.3	456.3	447.3
55–64 years . . . . .	---	---	---	---	1,123.7	1,058.7	957.8	966.3	962.6	948.7
65–74 years . . . . .	---	---	---	---	2,368.2	2,322.2	2,251.7	2,284.9	2,219.4	2,127.7
75–84 years . . . . .	---	---	---	---	5,369.1	5,199.0	4,750.3	4,564.6	4,525.1	4,470.2
85 years and over . . . . .	---	---	---	---	12,272.1	12,242.7	10,487.1	9,946.7	9,842.3	9,385.3

See footnotes at end of table.

**Table 36 (page 3 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
Deaths per 100,000 resident population										
White, non-Hispanic male <sup>6</sup>										
All ages, age adjusted . . . . .	---	---	---	---	1,170.9	1,110.2	1,070.8	1,047.0	1,045.1	1,028.6
All ages, crude . . . . .	---	---	---	---	985.9	989.0	977.3	974.7	984.7	980.9
Under 1 year . . . . .	---	---	---	---	865.4	695.7	662.4	651.5	636.5	635.4
1–4 years . . . . .	---	---	---	---	43.8	37.5	34.8	31.8	32.9	31.8
5–14 years . . . . .	---	---	---	---	25.7	23.6	22.4	21.0	20.1	20.2
15–24 years . . . . .	---	---	---	---	123.4	110.6	102.7	101.2	98.7	100.5
25–34 years . . . . .	---	---	---	---	165.3	166.4	134.8	128.1	128.4	127.4
35–44 years . . . . .	---	---	---	---	257.1	275.9	231.4	229.7	228.2	231.9
45–54 years . . . . .	---	---	---	---	544.5	526.1	494.0	487.2	491.6	501.8
55–64 years . . . . .	---	---	---	---	1,479.7	1,337.0	1,264.7	1,224.0	1,208.0	1,185.7
65–74 years . . . . .	---	---	---	---	3,434.5	3,221.9	3,154.6	3,112.5	3,077.6	2,986.8
75–84 years . . . . .	---	---	---	---	7,920.4	7,368.2	7,154.7	7,072.8	7,057.5	6,913.2
85 years and over . . . . .	---	---	---	---	18,505.4	18,157.7	18,066.9	17,363.4	17,539.1	17,269.0
White female										
All ages, age adjusted . . . . .	1,198.0	1,074.4	944.0	796.1	728.8	726.6	718.3	715.1	725.7	722.2
All ages, crude . . . . .	803.3	800.9	812.6	806.1	846.9	891.3	897.8	903.7	924.1	924.9
Under 1 year . . . . .	2,566.8	2,007.7	1,614.6	962.5	690.0	571.6	546.0	563.6	532.6	537.9
1–4 years . . . . .	112.2	85.2	66.1	49.3	36.1	31.2	28.0	27.5	27.4	25.4
5–14 years . . . . .	45.1	34.7	29.9	22.9	17.9	16.6	15.6	15.0	14.9	14.4
15–24 years . . . . .	71.5	54.9	61.6	55.5	45.9	44.3	43.8	41.2	42.2	41.6
25–34 years . . . . .	112.8	85.0	84.1	65.4	61.5	64.3	60.0	58.5	58.4	57.7
35–44 years . . . . .	235.8	191.1	193.3	138.2	117.4	125.8	120.9	122.0	123.3	125.8
45–54 years . . . . .	546.4	458.8	462.9	372.7	309.3	294.4	285.0	278.3	281.8	283.2
55–64 years . . . . .	1,293.8	1,078.9	1,014.9	876.2	822.7	788.4	766.3	740.6	739.1	735.5
65–74 years . . . . .	3,242.8	2,779.3	2,470.7	2,066.6	1,923.5	1,924.5	1,900.5	1,912.9	1,916.2	1,893.9
75–84 years . . . . .	8,481.5	7,696.6	6,698.7	5,401.7	4,839.1	4,831.1	4,786.3	4,792.7	4,869.7	4,860.4
85 years and over . . . . .	19,679.5	19,477.7	15,980.2	14,979.6	14,400.6	14,639.1	14,681.4	14,620.4	15,053.8	14,948.7
Black female										
All ages, age adjusted . . . . .	1,545.5	1,369.7	1,228.7	1,033.3	975.1	970.1	940.7	938.2	955.0	947.9
All ages, crude . . . . .	1,002.0	905.0	829.2	733.3	747.9	759.0	742.8	746.4	761.3	759.1
Under 1 year . . . . .	---	4,162.2	3,368.8	2,123.7	1,735.5	1,342.0	1,383.9	1,390.1	1,403.3	1,352.7
1–4 years <sup>2</sup> . . . . .	1,139.3	173.3	129.4	84.4	67.6	62.9	51.0	53.9	51.5	50.8
5–14 years . . . . .	72.8	53.8	43.8	30.5	27.5	26.5	27.2	23.1	22.6	21.7
15–24 years . . . . .	213.1	107.5	111.9	70.5	68.7	70.3	62.0	58.0	60.1	59.6
25–34 years . . . . .	393.3	273.2	231.0	150.0	159.5	166.6	134.6	130.0	122.0	126.7
35–44 years . . . . .	758.1	568.5	533.0	323.9	298.6	327.7	287.1	284.9	282.6	274.7
45–54 years . . . . .	1,576.4	1,177.0	1,043.9	768.2	639.4	619.0	590.4	582.0	581.0	594.1
55–64 years . . . . .	3,089.4	2,510.9	1,986.2	1,561.0	1,452.6	1,350.3	1,307.3	1,272.2	1,255.7	1,213.4
65–74 years . . . . .	4,000.2	4,064.2	3,860.9	3,057.4	2,865.7	2,823.7	2,739.7	2,724.6	2,732.1	2,659.0
75–84 years <sup>3</sup> . . . . .	8,347.0	6,730.0	6,691.5	6,212.1	5,688.3	5,840.3	5,669.3	5,813.8	6,002.7	5,967.8
85 years and over . . . . .	---	13,052.6	10,706.6	12,367.2	13,309.5	13,472.2	13,701.7	13,580.5	14,262.9	14,441.9
American Indian or Alaska Native female <sup>4</sup>										
All ages, age adjusted . . . . .	---	---	---	662.4	561.8	592.8	574.0	582.2	608.5	586.4
All ages, crude . . . . .	---	---	---	380.1	330.4	390.6	392.6	407.0	431.2	421.0
Under 1 year . . . . .	---	---	---	1,352.6	688.7	756.5	646.1	825.0	772.5	592.4
1–4 years . . . . .	---	---	---	87.5	37.8	60.0	66.8	53.5	43.1	52.1
5–14 years . . . . .	---	---	---	33.5	25.5	22.5	22.2	19.6	21.7	22.7
15–24 years . . . . .	---	---	---	90.3	69.0	64.8	57.5	64.1	67.5	68.4
25–34 years . . . . .	---	---	---	178.5	102.3	115.5	116.3	118.3	124.2	101.5
35–44 years . . . . .	---	---	---	286.0	156.4	194.2	195.6	195.1	211.5	224.0
45–54 years . . . . .	---	---	---	491.4	380.9	386.9	387.4	388.3	365.0	360.9
55–64 years . . . . .	---	---	---	837.1	805.9	917.6	866.9	863.6	960.4	906.8
65–74 years . . . . .	---	---	---	1,765.5	1,679.4	1,894.3	1,920.5	1,932.4	2,042.0	2,019.2
75–84 years . . . . .	---	---	---	3,612.9	3,073.2	3,591.1	3,531.6	3,440.5	3,673.0	3,545.7
85 years and over . . . . .	---	---	---	8,567.4	8,201.1	6,521.3	5,773.6	6,366.9	6,395.1	5,949.5

See footnotes at end of table.

**Table 36 (page 4 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	1999	2000
Asian or Pacific Islander female <sup>5</sup>										
Deaths per 100,000 resident population										
All ages, age adjusted . . . . .	---	---	---	425.9	469.3	488.4	429.7	420.4	424.0	415.2
All ages, crude . . . . .	---	---	---	222.5	234.3	257.7	264.3	262.5	272.8	272.2
Under 1 year . . . . .	---	---	---	755.8	518.2	359.9	343.7	380.2	373.4	375.3
1–4 years . . . . .	---	---	---	35.4	32.0	23.8	24.7	19.9	19.4	18.4
5–14 years . . . . .	---	---	---	21.5	13.0	14.7	13.8	12.4	11.5	11.3
15–24 years . . . . .	---	---	---	32.3	28.8	33.5	33.4	28.8	29.1	25.1
25–34 years . . . . .	---	---	---	45.4	37.5	38.1	32.4	33.7	32.4	30.3
35–44 years . . . . .	---	---	---	89.7	69.9	68.6	74.1	61.6	60.6	66.7
45–54 years . . . . .	---	---	---	214.1	182.7	191.2	166.6	160.5	173.5	163.6
55–64 years . . . . .	---	---	---	440.8	483.4	475.6	423.4	412.9	430.6	412.7
65–74 years . . . . .	---	---	---	1,027.7	1,089.2	1,061.5	1,117.3	1,083.1	1,106.1	1,042.8
75–84 years . . . . .	---	---	---	2,833.6	3,127.9	3,278.9	3,052.1	2,917.4	2,980.1	2,953.5
85 years and over . . . . .	---	---	---	7,923.3	10,254.0	11,256.4	8,414.1	8,618.4	8,396.6	8,353.0
Hispanic female <sup>6</sup>										
All ages, age adjusted . . . . .	---	---	---	---	537.1	517.6	493.0	478.2	490.1	475.7
All ages, crude . . . . .	---	---	---	---	285.4	290.8	288.0	283.6	293.7	291.5
Under 1 year . . . . .	---	---	---	---	746.6	575.0	572.3	568.7	565.9	575.0
1–4 years . . . . .	---	---	---	---	42.1	33.5	28.4	27.6	29.8	28.8
5–14 years . . . . .	---	---	---	---	17.3	15.5	15.6	14.1	14.4	14.5
15–24 years . . . . .	---	---	---	---	40.6	40.6	38.3	34.0	36.4	35.2
25–34 years . . . . .	---	---	---	---	62.9	63.1	54.6	51.0	51.8	50.8
35–44 years . . . . .	---	---	---	---	109.3	121.0	101.1	96.7	99.9	103.0
45–54 years . . . . .	---	---	---	---	253.3	238.9	228.3	225.8	226.7	223.5
55–64 years . . . . .	---	---	---	---	607.5	586.2	580.3	543.6	536.0	525.0
65–74 years . . . . .	---	---	---	---	1,453.8	1,399.6	1,381.9	1,384.3	1,366.8	1,331.9
75–84 years . . . . .	---	---	---	---	3,351.3	3,275.0	3,220.5	3,140.1	3,245.6	3,162.3
85 years and over . . . . .	---	---	---	---	10,098.7	9,613.6	8,708.6	8,336.0	8,838.7	8,372.1
White, non-Hispanic female <sup>6</sup>										
All ages, age adjusted . . . . .	---	---	---	---	734.6	730.3	725.3	723.8	734.9	732.6
All ages, crude . . . . .	---	---	---	---	903.6	956.7	971.2	982.5	1,007.4	1,011.7
Under 1 year . . . . .	---	---	---	---	655.3	550.2	519.6	544.6	505.6	509.3
1–4 years . . . . .	---	---	---	---	34.0	30.0	27.3	27.0	26.2	23.9
5–14 years . . . . .	---	---	---	---	17.6	16.4	15.3	14.9	14.8	14.0
15–24 years . . . . .	---	---	---	---	46.0	44.0	44.1	41.9	42.6	42.2
25–34 years . . . . .	---	---	---	---	60.6	62.8	60.0	58.7	58.6	57.9
35–44 years . . . . .	---	---	---	---	116.8	124.0	121.7	123.7	124.8	127.4
45–54 years . . . . .	---	---	---	---	312.1	296.1	287.3	280.5	284.5	286.4
55–64 years . . . . .	---	---	---	---	834.5	797.2	775.7	751.3	751.0	748.2
65–74 years . . . . .	---	---	---	---	1,940.2	1,940.3	1,920.3	1,935.8	1,942.9	1,924.0
75–84 years . . . . .	---	---	---	---	4,887.3	4,860.2	4,831.1	4,847.8	4,926.2	4,925.6
85 years and over . . . . .	---	---	---	---	14,533.1	14,724.6	14,864.0	14,839.2	15,284.6	15,215.3

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>In 1950 rate is for the age group under 5 years.

<sup>3</sup>In 1950 rate is for the age group 75 years and over.

<sup>4</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>5</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>6</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 37 (page 1 of 3). Death rates for diseases of heart, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>All persons</b>											
All ages, age adjusted . . . . .	586.8	559.0	492.7	412.1	321.8	296.3	280.4	272.4	268.5	267.8	257.9
All ages, crude . . . . .	355.5	369.0	362.0	336.0	289.5	280.7	271.6	268.2	264.4	265.9	258.2
Under 1 year . . . . .	3.5	6.6	13.1	22.8	20.1	17.1	16.4	16.1	15.9	13.7	12.8
1–4 years . . . . .	1.3	1.3	1.7	2.6	1.9	1.6	1.4	1.4	1.4	1.2	1.2
5–14 years . . . . .	2.1	1.3	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
15–24 years . . . . .	6.8	4.0	3.0	2.9	2.5	2.9	3.0	2.8	2.8	2.8	2.7
25–34 years . . . . .	19.4	15.6	11.4	8.3	7.6	8.5	8.3	8.3	8.2	8.1	7.9
35–44 years . . . . .	86.4	74.6	66.7	44.6	31.4	32.0	30.1	30.5	30.1	30.3	29.4
45–54 years . . . . .	308.6	271.8	238.4	180.2	120.5	111.0	104.9	101.4	100.0	97.7	95.5
55–64 years . . . . .	808.1	737.9	652.3	494.1	367.3	322.9	302.4	286.9	282.8	274.3	264.5
65–74 years . . . . .	1,839.8	1,740.5	1,558.2	1,218.6	894.3	799.9	753.7	735.5	725.1	709.5	673.8
75–84 years . . . . .	4,310.1	4,089.4	3,683.8	2,993.1	2,295.7	2,064.7	1,943.6	1,897.3	1,870.4	1,861.8	1,787.1
85 years and over . . . . .	9,150.6	9,317.8	7,891.3	7,777.1	6,739.9	6,484.1	6,198.9	6,009.6	5,924.3	6,032.5	5,848.7
<b>Male</b>											
All ages, age adjusted . . . . .	697.0	687.6	634.0	538.9	412.4	372.7	349.6	336.6	331.8	328.1	315.0
All ages, crude . . . . .	423.4	439.5	422.5	368.6	297.6	282.7	272.2	268.0	264.2	263.8	256.1
Under 1 year . . . . .	4.0	7.8	15.1	25.5	21.9	17.5	18.0	16.2	16.0	13.8	13.2
1–4 years . . . . .	1.4	1.4	1.9	2.8	1.9	1.7	1.5	1.5	1.5	1.3	1.4
5–14 years . . . . .	2.0	1.4	0.9	1.0	0.9	0.8	0.9	1.0	1.0	0.8	0.8
15–24 years . . . . .	6.8	4.2	3.7	3.7	3.1	3.6	3.6	3.5	3.5	3.4	3.2
25–34 years . . . . .	22.9	20.1	15.2	11.4	10.3	11.4	10.8	10.8	10.6	10.6	10.3
35–44 years . . . . .	118.4	112.7	103.2	68.7	48.1	47.2	43.7	44.0	43.4	43.3	41.6
45–54 years . . . . .	440.5	420.4	376.4	282.6	183.0	168.6	157.7	152.2	150.0	145.7	142.7
55–64 years . . . . .	1,104.5	1,066.9	987.2	746.8	537.3	465.4	434.6	411.1	405.3	391.6	378.6
65–74 years . . . . .	2,292.3	2,291.3	2,170.3	1,728.0	1,250.0	1,102.3	1,031.1	997.3	983.1	961.6	909.2
75–84 years . . . . .	4,825.0	4,742.4	4,534.8	3,834.3	2,968.2	2,615.0	2,443.6	2,377.2	2,343.4	2,308.9	2,210.1
85 years and over . . . . .	9,659.8	9,788.9	8,426.2	8,752.7	7,418.4	7,039.6	6,658.5	6,330.6	6,240.7	6,313.3	6,100.8
<b>Female</b>											
All ages, age adjusted . . . . .	484.7	447.0	381.6	320.8	257.0	239.7	228.1	223.1	219.9	220.9	213.0
All ages, crude . . . . .	288.4	300.6	304.5	305.1	281.8	278.8	271.1	268.3	264.5	268.0	260.2
Under 1 year . . . . .	2.9	5.4	10.9	20.0	18.3	16.7	14.7	16.1	15.9	13.6	12.4
1–4 years . . . . .	1.2	1.1	1.6	2.5	1.9	1.5	1.2	1.3	1.3	1.1	1.0
5–14 years . . . . .	2.2	1.2	0.8	0.9	0.8	0.7	0.7	0.7	0.7	0.6	0.6
15–24 years . . . . .	6.7	3.7	2.3	2.1	1.8	2.2	2.4	2.1	2.1	2.2	2.1
25–34 years . . . . .	16.2	11.3	7.7	5.3	5.0	5.6	5.8	5.8	5.7	5.6	5.5
35–44 years . . . . .	55.1	38.2	32.2	21.4	15.1	17.1	16.5	17.3	17.1	17.6	17.2
45–54 years . . . . .	177.2	127.5	109.9	84.5	61.0	56.0	54.3	52.8	52.1	51.9	50.3
55–64 years . . . . .	510.0	429.4	351.6	272.1	215.7	193.9	182.1	173.9	171.4	167.5	160.4
65–74 years . . . . .	1,419.3	1,261.3	1,082.7	828.6	616.8	557.8	529.4	522.6	515.2	503.2	479.9
75–84 years . . . . .	3,872.0	3,582.7	3,120.8	2,497.0	1,893.8	1,715.2	1,616.6	1,579.5	1,557.1	1,562.5	1,501.5
85 years and over . . . . .	8,796.1	9,016.8	7,591.8	7,350.5	6,478.1	6,267.8	6,013.7	5,876.6	5,793.2	5,913.8	5,740.1
<b>White male</b>											
All ages, age adjusted . . . . .	700.2	694.5	640.2	539.6	409.2	368.4	346.9	333.2	328.5	324.7	311.9
All ages, crude . . . . .	433.0	454.6	438.3	384.0	312.7	297.9	287.7	283.1	279.1	278.8	271.2
45–54 years . . . . .	423.6	413.2	365.7	269.8	170.6	155.7	145.4	140.2	138.2	134.7	132.2
55–64 years . . . . .	1,081.7	1,056.0	979.3	730.6	516.7	443.0	411.2	388.1	382.6	367.6	356.2
65–74 years . . . . .	2,308.3	2,297.9	2,177.2	1,729.7	1,230.5	1,080.5	1,015.1	981.3	967.4	942.1	891.2
75–84 years . . . . .	4,907.3	4,839.9	4,617.6	3,883.2	2,983.4	2,616.1	2,453.7	2,381.5	2,347.7	2,313.9	2,209.6
85 years and over . . . . .	9,950.5	10,135.8	8,818.0	8,958.0	7,558.7	7,165.5	6,829.7	6,478.8	6,386.8	6,462.1	6,257.6
<b>Black male</b>											
All ages, age adjusted . . . . .	639.4	615.2	607.3	561.4	485.4	449.2	414.0	407.8	402.0	398.9	382.7
All ages, crude . . . . .	346.2	330.6	330.3	301.0	256.8	244.2	230.8	230.5	227.2	226.9	219.0
45–54 years . . . . .	622.5	514.0	512.8	433.4	328.9	317.1	293.7	282.7	278.7	267.6	257.5
55–64 years . . . . .	1,433.1	1,236.8	1,135.4	987.2	824.0	757.8	727.8	699.9	690.0	690.3	659.4
65–74 years . . . . .	2,139.1	2,281.4	2,237.8	1,847.2	1,632.9	1,482.9	1,335.4	1,312.7	1,294.1	1,294.0	1,212.8
75–84 years <sup>4</sup> . . . . .	4,106.1	3,533.6	3,783.4	3,578.8	3,107.1	2,881.4	2,641.6	2,649.3	2,611.7	2,560.2	2,522.4
85 years and over . . . . .	---	6,037.9	5,367.6	6,819.5	6,479.6	5,985.7	5,538.7	5,446.7	5,369.4	5,433.3	5,198.6

See footnotes at end of table.

**Table 37 (page 2 of 3). Death rates for diseases of heart, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>American Indian or Alaska Native male<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	320.5	264.1	230.5	234.4	219.5	216.4	211.7	209.0
All ages, crude . . . . .	---	---	---	130.6	108.0	110.4	116.8	113.2	111.6	109.7	111.2
45–54 years . . . . .	---	---	---	238.1	173.8	151.4	171.8	151.8	149.6	131.8	139.2
55–64 years . . . . .	---	---	---	496.3	411.0	403.2	427.2	402.5	396.8	346.3	352.2
65–74 years . . . . .	---	---	---	1,009.4	839.1	918.5	828.1	793.6	782.3	866.1	808.0
75–84 years . . . . .	---	---	---	2,062.2	1,788.8	1,534.9	1,513.8	1,274.0	1,255.9	1,428.4	1,374.4
85 years and over . . . . .	---	---	---	4,413.7	3,860.3	2,308.7	2,764.2	2,800.9	2,761.1	2,181.3	2,258.2
<b>Asian or Pacific Islander male<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	286.9	220.7	247.2	204.5	197.9	195.1	196.7	185.7
All ages, crude . . . . .	---	---	---	119.8	88.7	96.9	97.4	98.3	96.9	99.2	95.0
45–54 years . . . . .	---	---	---	112.0	70.4	73.4	72.1	72.9	71.9	64.0	63.8
55–64 years . . . . .	---	---	---	306.7	226.1	214.3	218.3	210.8	207.8	202.8	194.5
65–74 years . . . . .	---	---	---	852.4	623.5	605.8	585.1	522.7	515.3	523.1	523.0
75–84 years . . . . .	---	---	---	2,010.9	1,642.2	1,680.5	1,432.1	1,493.0	1,471.8	1,459.2	1,411.7
85 years and over . . . . .	---	---	---	5,923.0	4,617.8	6,372.3	4,392.5	4,110.7	4,052.3	4,229.6	3,732.3
<b>Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	270.0	246.8	223.9	213.8	210.8	212.7	200.5
All ages, crude . . . . .	---	---	---	---	91.0	87.5	83.9	84.9	83.7	86.0	83.2
45–54 years . . . . .	---	---	---	---	116.4	103.0	96.2	96.0	94.6	94.7	85.9
55–64 years . . . . .	---	---	---	---	363.0	306.0	276.9	274.0	270.1	268.7	260.1
65–74 years . . . . .	---	---	---	---	829.9	750.0	737.2	706.6	696.6	690.6	636.8
75–84 years . . . . .	---	---	---	---	1,971.3	1,734.5	1,628.7	1,522.0	1,500.4	1,527.7	1,436.0
85 years and over . . . . .	---	---	---	---	4,711.9	4,699.7	3,844.6	3,641.9	3,590.2	3,658.0	3,512.4
<b>White, non-Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	413.6	370.6	351.9	338.3	333.5	329.5	317.2
All ages, crude . . . . .	---	---	---	---	336.5	322.0	315.0	309.8	305.4	305.5	298.2
45–54 years . . . . .	---	---	---	---	172.8	157.5	148.5	142.8	140.8	137.2	135.4
55–64 years . . . . .	---	---	---	---	521.3	448.0	418.1	393.5	387.9	371.9	360.8
65–74 years . . . . .	---	---	---	---	1,243.4	1,088.3	1,025.1	991.7	977.6	952.0	902.1
75–84 years . . . . .	---	---	---	---	3,007.7	2,635.6	2,477.3	2,411.2	2,377.0	2,342.5	2,241.0
85 years and over . . . . .	---	---	---	---	7,663.4	7,166.3	6,954.2	6,604.4	6,510.6	6,589.0	6,390.4
<b>White female</b>											
All ages, age adjusted . . . . .	478.0	441.7	376.7	315.9	250.9	233.6	222.9	217.6	214.5	215.5	207.5
All ages, crude . . . . .	289.4	306.5	313.8	319.2	298.4	297.4	289.8	286.8	282.7	286.6	278.3
45–54 years . . . . .	141.9	103.4	91.4	71.2	50.2	45.9	44.9	43.4	42.8	42.8	41.2
55–64 years . . . . .	460.2	383.0	317.7	248.1	192.4	173.1	162.5	153.9	151.7	149.5	142.2
65–74 years . . . . .	1,400.9	1,229.8	1,044.0	796.7	583.6	526.3	500.7	493.8	486.8	474.3	451.3
75–84 years . . . . .	3,925.2	3,629.7	3,143.5	2,493.6	1,874.3	1,689.8	1,595.9	1,556.3	1,534.2	1,534.8	1,475.2
85 years and over . . . . .	9,084.7	9,280.8	7,839.9	7,501.6	6,563.4	6,352.6	6,108.0	5,971.4	5,886.6	6,006.4	5,824.0
<b>Black female</b>											
All ages, age adjusted . . . . .	536.9	488.9	435.6	378.6	327.5	309.3	294.7	291.9	287.8	290.5	284.1
All ages, crude . . . . .	287.6	268.5	261.0	249.7	237.0	231.1	224.2	224.6	221.4	224.0	220.1
45–54 years . . . . .	525.3	360.7	290.9	202.4	155.3	143.1	134.8	132.9	131.0	128.3	126.3
55–64 years . . . . .	1,210.2	952.3	710.5	530.1	442.0	384.9	364.8	361.5	356.4	336.1	329.1
65–74 years . . . . .	1,659.4	1,680.5	1,553.2	1,210.3	1,017.5	933.7	871.6	858.8	846.6	832.7	805.9
75–84 years <sup>4</sup> . . . . .	3,499.3	2,926.9	2,964.1	2,707.2	2,250.9	2,163.1	2,030.5	2,044.8	2,015.8	2,070.1	2,004.2
85 years and over . . . . .	---	5,650.0	5,003.8	5,796.5	5,766.1	5,614.8	5,542.5	5,373.1	5,296.8	5,525.6	5,489.0

See footnotes at end of table.



**Table 37 (page 3 of 3). Death rates for diseases of heart, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
American Indian or Alaska Native female <sup>5</sup>											
Deaths per 100,000 resident population											
All ages, age adjusted . . . . .	---	---	---	175.4	153.1	145.8	141.1	137.8	135.8	138.3	129.4
All ages, crude . . . . .	---	---	---	80.3	77.5	87.0	88.6	89.0	87.7	91.0	87.5
45–54 years . . . . .	---	---	---	65.2	62.0	69.2	59.7	49.4	48.7	51.4	50.9
55–64 years . . . . .	---	---	---	193.5	197.0	210.2	172.8	183.3	180.7	183.4	175.4
65–74 years . . . . .	---	---	---	577.2	492.8	503.3	473.8	440.3	434.0	464.3	416.4
75–84 years . . . . .	---	---	---	1,364.3	1,050.3	1,045.6	1,115.2	1,019.8	1,005.3	1,067.5	961.6
85 years and over . . . . .	---	---	---	2,893.3	2,868.7	2,209.8	2,019.5	2,348.9	2,315.5	2,069.4	2,052.9
Asian or Pacific Islander female <sup>6</sup>											
All ages, age adjusted . . . . .	---	---	---	132.3	149.2	153.2	123.3	120.9	119.2	121.5	113.8
All ages, crude . . . . .	---	---	---	57.0	62.0	68.2	66.9	67.3	66.3	70.1	67.4
45–54 years . . . . .	---	---	---	28.6	17.5	21.6	18.8	18.4	18.1	18.7	16.7
55–64 years . . . . .	---	---	---	92.9	99.0	93.0	80.5	70.5	69.5	76.6	72.6
65–74 years . . . . .	---	---	---	313.3	323.9	294.9	272.8	282.9	278.9	271.2	240.3
75–84 years . . . . .	---	---	---	1,053.2	1,130.9	1,063.0	944.0	880.9	868.4	943.2	887.5
85 years and over . . . . .	---	---	---	3,211.0	4,161.2	4,717.9	3,326.2	3,385.5	3,337.4	3,273.8	3,107.1
Hispanic female <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	177.2	162.5	151.1	145.8	143.7	146.5	137.1
All ages, crude . . . . .	---	---	---	---	79.4	78.9	78.3	77.7	76.6	79.0	75.9
45–54 years . . . . .	---	---	---	---	43.5	32.0	31.5	31.0	30.6	30.7	28.2
55–64 years . . . . .	---	---	---	---	153.2	137.3	129.5	122.4	120.7	118.1	106.4
65–74 years . . . . .	---	---	---	---	460.4	402.4	391.9	399.8	394.1	357.5	342.8
75–84 years . . . . .	---	---	---	---	1,259.7	1,150.1	1,102.4	1,071.1	1,055.9	1,091.5	1,020.3
85 years and over . . . . .	---	---	---	---	4,440.3	4,243.9	3,748.7	3,499.1	3,449.4	3,696.2	3,442.0
White, non-Hispanic female <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	252.6	234.9	225.1	220.1	217.0	218.1	210.4
All ages, crude . . . . .	---	---	---	---	320.0	321.4	315.6	313.6	309.1	314.2	306.2
45–54 years . . . . .	---	---	---	---	50.2	46.6	45.7	44.2	43.6	43.6	42.1
55–64 years . . . . .	---	---	---	---	193.6	173.6	163.9	155.3	153.1	150.9	144.0
65–74 years . . . . .	---	---	---	---	584.7	529.1	504.0	496.2	489.2	479.2	456.4
75–84 years . . . . .	---	---	---	---	1,890.2	1,697.8	1,609.4	1,571.1	1,548.8	1,548.6	1,491.1
85 years and over . . . . .	---	---	---	---	6,615.2	6,384.5	6,176.4	6,054.4	5,968.4	6,088.7	5,917.4

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group 75 years and over.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases* (ICD). See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 38 (page 1 of 3). Death rates for cerebrovascular diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>All persons</b>											
All ages, age adjusted . . . . .	180.7	177.9	147.7	96.2	65.3	63.8	61.7	59.5	63.0	61.8	60.8
All ages, crude . . . . .	104.0	108.0	101.9	75.0	57.8	60.0	59.6	58.5	61.9	61.4	60.9
Under 1 year . . . . .	5.1	4.1	5.0	4.4	3.8	5.8	7.0	7.8	8.3	2.7	3.2
1–4 years . . . . .	0.9	0.8	1.0	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.3
5–14 years . . . . .	0.5	0.7	0.7	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15–24 years . . . . .	1.6	1.8	1.6	1.0	0.6	0.5	0.5	0.5	0.5	0.5	0.5
25–34 years . . . . .	4.2	4.7	4.5	2.6	2.2	1.8	1.7	1.7	1.8	1.5	1.6
35–44 years . . . . .	18.7	14.7	15.6	8.5	6.4	6.5	6.3	5.9	6.2	5.7	5.8
45–54 years . . . . .	70.4	49.2	41.6	25.2	18.7	17.6	16.9	16.5	17.5	15.5	16.2
55–64 years . . . . .	194.2	147.3	115.8	65.1	47.9	46.0	44.3	42.5	45.0	41.3	41.5
65–74 years . . . . .	554.7	469.2	384.1	219.0	144.2	137.0	134.7	129.8	137.4	132.2	130.2
75–84 years . . . . .	1,499.6	1,491.3	1,254.2	786.9	498.0	480.4	461.0	454.3	481.0	472.8	463.1
85 years and over . . . . .	2,990.1	3,680.5	3,014.3	2,283.7	1,628.9	1,630.5	1,578.6	1,494.7	1,582.6	1,606.7	1,568.4
<b>Male</b>											
All ages, age adjusted . . . . .	186.4	186.1	157.4	102.2	68.5	66.1	63.8	59.9	63.4	62.4	61.1
All ages, crude . . . . .	102.5	104.5	94.5	63.4	46.7	47.9	47.7	46.2	48.9	48.4	48.1
Under 1 year . . . . .	6.4	5.0	5.8	5.0	4.4	6.3	7.6	9.0	9.5	3.3	3.8
1–4 years . . . . .	1.1	0.9	1.2	0.4	0.3	0.4	0.5	0.3	0.3	0.3	*
5–14 years . . . . .	0.5	0.7	0.8	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15–24 years . . . . .	1.8	1.9	1.8	1.1	0.7	0.5	0.6	0.6	0.6	0.5	0.5
25–34 years . . . . .	4.2	4.5	4.4	2.6	2.1	1.9	1.7	1.7	1.8	1.6	1.7
35–44 years . . . . .	17.5	14.6	15.7	8.7	6.8	7.0	6.5	6.2	6.6	5.9	5.8
45–54 years . . . . .	67.9	52.2	44.4	27.2	20.5	19.8	19.2	18.4	19.5	17.1	17.8
55–64 years . . . . .	205.2	163.8	138.7	74.6	54.3	53.3	51.4	49.4	52.3	47.6	48.1
65–74 years . . . . .	589.6	530.7	449.5	258.6	166.6	155.6	152.9	145.4	153.9	149.0	146.8
75–84 years . . . . .	1,543.6	1,555.9	1,361.6	866.3	551.1	516.1	487.9	473.7	501.6	494.5	482.5
85 years and over . . . . .	3,048.6	3,643.1	2,895.2	2,193.6	1,528.5	1,532.1	1,496.2	1,341.8	1,420.7	1,455.5	1,408.3
<b>Female</b>											
All ages, age adjusted . . . . .	175.8	170.7	140.0	91.7	62.6	61.4	59.5	58.2	61.6	60.5	59.7
All ages, crude . . . . .	105.6	111.4	109.0	85.9	68.4	71.5	71.0	70.2	74.3	73.8	73.2
Under 1 year . . . . .	3.7	3.2	4.0	3.8	3.1	5.2	6.3	6.6	7.0	2.0	2.7
1–4 years . . . . .	0.7	0.7	0.7	0.5	0.3	0.3	0.3	0.4	0.4	0.3	0.4
5–14 years . . . . .	0.4	0.6	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15–24 years . . . . .	1.5	1.6	1.4	0.8	0.6	0.4	0.5	0.4	0.4	0.5	0.5
25–34 years . . . . .	4.3	4.9	4.7	2.6	2.2	1.7	1.7	1.8	1.9	1.5	1.6
35–44 years . . . . .	19.9	14.8	15.6	8.4	6.1	6.0	6.2	5.7	6.0	5.6	5.8
45–54 years . . . . .	72.9	46.3	39.0	23.3	17.0	15.5	14.7	14.6	15.5	14.0	14.6
55–64 years . . . . .	183.1	131.8	95.3	56.8	42.2	39.4	37.9	36.3	38.4	35.5	35.6
65–74 years . . . . .	522.1	415.7	333.3	188.7	126.7	122.0	119.9	117.1	124.0	118.5	116.5
75–84 years . . . . .	1,462.2	1,441.1	1,183.1	740.1	466.2	457.8	443.4	441.5	467.5	458.2	450.0
85 years and over . . . . .	2,949.4	3,704.4	3,081.0	2,323.1	1,667.6	1,668.8	1,611.8	1,558.0	1,649.6	1,670.6	1,637.4
<b>White male</b>											
All ages, age adjusted . . . . .	182.1	181.6	153.7	98.7	65.5	63.1	61.4	57.5	60.9	60.0	58.6
All ages, crude . . . . .	100.5	102.7	93.5	63.1	46.9	48.5	48.7	47.2	50.0	49.7	49.4
45–54 years . . . . .	53.7	40.9	35.6	21.7	15.4	14.8	14.6	14.2	15.0	13.0	13.8
55–64 years . . . . .	182.2	139.0	119.9	64.0	45.7	44.6	42.2	40.8	43.2	39.6	40.2
65–74 years . . . . .	569.7	501.0	420.0	239.8	152.9	143.3	141.5	134.6	142.5	138.0	135.9
75–84 years . . . . .	1,556.3	1,564.8	1,361.6	852.7	539.2	502.0	479.5	464.0	491.3	485.1	472.0
85 years and over . . . . .	3,127.1	3,734.8	3,018.1	2,230.8	1,545.4	1,544.7	1,525.9	1,360.6	1,440.6	1,475.5	1,421.8
<b>Black male</b>											
All ages, age adjusted . . . . .	228.8	238.5	206.4	142.0	102.2	96.4	88.4	86.1	91.2	87.4	87.1
All ages, crude . . . . .	122.0	122.9	108.8	73.0	53.0	50.8	48.3	47.4	50.2	47.7	47.8
45–54 years . . . . .	211.9	166.1	136.1	82.1	68.4	64.0	59.8	55.6	58.9	51.0	51.6
55–64 years . . . . .	522.8	439.9	343.4	189.7	141.7	133.8	135.5	129.1	136.7	123.3	120.5
65–74 years . . . . .	783.6	899.2	780.1	472.3	326.9	290.9	274.3	255.4	270.4	264.0	256.6
75–84 years <sup>4</sup> . . . . .	1,504.9	1,475.2	1,445.7	1,066.3	721.5	699.2	598.6	620.1	656.6	634.9	640.1
85 years and over . . . . .	---	2,700.0	1,963.1	1,873.2	1,421.5	1,386.3	1,278.1	1,233.1	1,305.6	1,343.1	1,346.2

See footnotes at end of table.

**Table 38 (page 2 of 3). Death rates for cerebrovascular diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>American Indian or Alaska Native male<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	66.4	44.3	44.6	40.8	34.0	36.0	40.7	41.6
All ages, crude . . . . .	---	---	---	23.1	16.0	20.1	18.5	16.6	17.6	19.9	20.7
45–54 years . . . . .	---	---	---	*	*	28.4	0.0	17.6	18.6	17.0	17.1
55–64 years . . . . .	---	---	---	72.0	39.8	45.7	49.4	53.5	56.6	37.4	60.1
65–74 years . . . . .	---	---	---	170.5	120.3	153.1	112.5	109.8	116.3	144.8	156.3
75–84 years . . . . .	---	---	---	523.9	325.9	290.1	324.0	257.8	273.0	353.6	309.9
85 years and over . . . . .	---	---	---	1,384.7	949.8	748.8	707.9	450.2	476.7	510.5	568.2
<b>Asian or Pacific Islander male<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	71.4	59.1	73.6	61.8	57.3	60.7	58.0	57.8
All ages, crude . . . . .	---	---	---	28.7	23.3	28.6	28.8	28.1	29.8	28.6	28.5
45–54 years . . . . .	---	---	---	17.0	15.6	17.3	18.3	16.9	17.9	18.2	15.7
55–64 years . . . . .	---	---	---	59.9	51.8	62.1	57.7	56.0	59.3	52.0	52.6
65–74 years . . . . .	---	---	---	197.9	167.9	162.3	160.3	160.9	170.4	141.8	147.0
75–84 years . . . . .	---	---	---	619.5	483.9	571.8	524.0	456.5	483.3	472.4	457.2
85 years and over . . . . .	---	---	---	1,399.0	1,196.6	1,801.5	1,219.4	1,149.6	1,217.2	1,248.4	1,271.8
<b>Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	46.5	48.4	43.6	42.9	45.4	44.6	42.4
All ages, crude . . . . .	---	---	---	---	15.6	17.1	16.6	17.3	18.3	17.8	17.6
45–54 years . . . . .	---	---	---	---	20.0	20.5	20.4	22.3	23.6	20.0	18.4
55–64 years . . . . .	---	---	---	---	49.2	46.1	52.6	52.9	56.0	45.5	47.9
65–74 years . . . . .	---	---	---	---	126.4	132.0	134.5	123.8	131.1	131.9	126.6
75–84 years . . . . .	---	---	---	---	356.6	349.2	304.2	295.5	312.9	332.5	325.5
85 years and over . . . . .	---	---	---	---	866.3	994.0	784.1	790.6	837.1	829.5	738.6
<b>White, non-Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	66.3	63.0	61.8	57.8	61.2	60.5	59.2
All ages, crude . . . . .	---	---	---	---	50.6	52.2	53.0	51.2	54.2	54.2	54.0
45–54 years . . . . .	---	---	---	---	14.9	14.1	13.9	13.2	14.0	12.2	13.2
55–64 years . . . . .	---	---	---	---	45.1	43.8	41.0	39.4	41.7	38.7	39.2
65–74 years . . . . .	---	---	---	---	154.5	142.9	140.9	134.4	142.3	137.4	135.7
75–84 years . . . . .	---	---	---	---	547.3	506.3	485.2	470.1	497.7	490.7	477.8
85 years and over . . . . .	---	---	---	---	1,578.7	1,546.9	1,558.1	1,386.7	1,468.2	1,506.6	1,456.6
<b>White female</b>											
All ages, age adjusted . . . . .	169.7	165.0	135.5	89.0	60.3	59.3	57.8	56.4	59.7	58.7	57.8
All ages, crude . . . . .	103.3	110.1	109.8	88.6	71.6	75.8	75.5	74.7	79.1	78.7	77.9
45–54 years . . . . .	55.0	33.8	30.5	18.6	13.5	12.7	11.6	11.2	11.9	10.9	11.2
55–64 years . . . . .	156.9	103.0	78.1	48.6	35.8	33.5	31.8	31.3	33.1	29.7	30.4
65–74 years . . . . .	498.1	383.3	303.2	172.5	116.1	112.4	111.2	108.4	114.8	109.9	108.8
75–84 years . . . . .	1,471.3	1,444.7	1,176.8	728.8	456.5	448.6	436.4	433.0	458.5	450.3	441.0
85 years and over . . . . .	3,017.9	3,795.7	3,167.6	2,362.7	1,685.9	1,683.6	1,638.8	1,584.0	1,677.1	1,692.6	1,653.1
<b>Black female</b>											
All ages, age adjusted . . . . .	238.4	232.5	189.3	119.6	84.0	80.9	76.0	75.2	79.6	78.1	78.1
All ages, crude . . . . .	128.3	127.7	112.2	77.8	60.7	60.3	57.9	57.8	61.2	60.0	60.4
45–54 years . . . . .	248.9	166.2	119.4	61.8	44.1	36.4	38.6	39.9	42.2	36.0	38.5
55–64 years . . . . .	567.7	452.0	272.4	138.4	96.9	85.4	84.0	76.5	81.0	78.5	75.5
65–74 years . . . . .	754.4	830.5	673.5	361.7	236.7	221.2	204.6	197.0	208.6	200.3	188.7
75–84 years <sup>4</sup> . . . . .	1,496.7	1,413.1	1,338.3	917.5	595.0	581.9	539.1	558.8	591.7	582.1	575.4
85 years and over . . . . .	---	2,578.9	2,210.5	1,891.6	1,495.2	1,564.7	1,429.7	1,396.6	1,478.7	1,559.0	1,612.4

See footnotes at end of table.

**Table 38 (page 3 of 3). Death rates for cerebrovascular diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Deaths per 100,000 resident population											
<b>American Indian or Alaska Native female<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	51.2	38.4	40.3	38.5	39.9	42.2	38.5	39.1
All ages, crude . . . . .	---	---	---	22.0	19.3	23.8	24.3	25.4	26.9	25.6	26.2
45–54 years . . . . .	---	---	---	*	*	*	*	18.8	19.9	14.4	18.2
55–64 years . . . . .	---	---	---	*	40.7	43.5	49.4	47.5	50.3	47.1	44.5
65–74 years . . . . .	---	---	---	128.3	100.5	112.3	109.0	126.4	133.8	92.5	84.5
75–84 years . . . . .	---	---	---	404.2	282.0	321.7	319.7	324.6	343.7	310.3	360.2
85 years and over . . . . .	---	---	---	1,095.5	776.2	697.3	570.0	618.1	654.4	675.4	607.8
<b>Asian or Pacific Islander female<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	60.8	54.9	53.4	49.1	45.6	48.3	48.2	48.6
All ages, crude . . . . .	---	---	---	26.4	24.3	24.9	27.8	26.4	28.0	28.8	29.7
45–54 years . . . . .	---	---	---	20.3	19.7	16.2	14.0	11.4	12.1	15.7	14.0
55–64 years . . . . .	---	---	---	43.7	42.1	39.1	40.7	31.0	32.8	41.6	35.2
65–74 years . . . . .	---	---	---	136.1	124.0	103.3	109.3	113.4	120.1	107.1	107.6
75–84 years . . . . .	---	---	---	446.6	396.6	405.2	408.9	388.8	411.7	366.2	395.5
85 years and over . . . . .	---	---	---	1,545.2	1,395.0	1,432.5	1,097.8	1,006.4	1,065.6	1,173.5	1,150.3
<b>Hispanic female<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	43.7	40.1	36.9	36.0	38.1	36.3	36.4
All ages, crude . . . . .	---	---	---	---	20.1	20.0	19.6	19.6	20.8	19.9	20.6
45–54 years . . . . .	---	---	---	---	15.2	15.1	12.7	14.2	15.0	12.0	12.4
55–64 years . . . . .	---	---	---	---	38.5	35.6	32.4	30.1	31.9	29.2	30.5
65–74 years . . . . .	---	---	---	---	102.6	98.2	96.8	93.0	98.5	92.6	89.1
75–84 years . . . . .	---	---	---	---	308.5	287.0	286.3	279.1	295.5	280.0	271.6
85 years and over . . . . .	---	---	---	---	1,055.3	931.2	771.6	755.3	799.7	803.1	828.7
<b>White, non-Hispanic female<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	61.0	59.6	58.3	57.1	60.5	59.6	58.6
All ages, crude . . . . .	---	---	---	---	77.2	81.9	82.4	81.9	86.7	86.7	85.9
45–54 years . . . . .	---	---	---	---	13.2	12.4	11.3	10.9	11.5	10.6	11.0
55–64 years . . . . .	---	---	---	---	35.7	32.9	31.4	31.1	32.9	29.5	30.1
65–74 years . . . . .	---	---	---	---	116.9	112.2	111.4	108.8	115.2	110.4	109.5
75–84 years . . . . .	---	---	---	---	461.9	452.0	440.9	438.3	464.1	457.1	448.0
85 years and over . . . . .	---	---	---	---	1,714.7	1,698.4	1,668.2	1,615.6	1,710.6	1,728.9	1,688.6

--- Data not available.

\* Based on fewer than 20 deaths.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group 75 years and over.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. Starting with *HUS 2002* rates for 1980–98 for Cerebrovascular diseases are based on ICD–9 codes 430–434, 436–438 that are more nearly comparable with ICD–10 codes for this cause, and replace trends based on ICD–9 430–438 shown in previous editions of *Health, United States*. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases* (ICD). See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 39 (page 1 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
All persons											
All ages, age adjusted . . . . .	193.9	193.9	198.6	207.9	216.0	211.7	205.7	202.4	203.8	202.7	201.0
All ages, crude . . . . .	139.8	149.2	162.8	183.9	203.2	204.9	201.6	200.3	201.7	201.6	200.9
Under 1 year . . . . .	8.7	7.2	4.7	3.2	2.3	1.8	2.4	2.1	2.1	1.8	2.4
1–4 years . . . . .	11.7	10.9	7.5	4.5	3.5	3.1	2.9	2.4	2.4	2.8	2.8
5–14 years . . . . .	6.7	6.8	6.0	4.3	3.1	2.7	2.7	2.6	2.6	2.6	2.6
15–24 years . . . . .	8.6	8.3	8.3	6.3	4.9	4.6	4.5	4.6	4.6	4.6	4.5
25–34 years . . . . .	20.0	19.5	16.5	13.7	12.6	11.9	11.6	11.3	11.4	10.6	10.5
35–44 years . . . . .	62.7	59.7	59.5	48.6	43.3	40.3	38.9	38.2	38.5	37.3	36.8
45–54 years . . . . .	175.1	177.0	182.5	180.0	158.9	142.2	135.1	132.3	133.2	130.4	129.3
55–64 years . . . . .	390.7	396.8	423.0	436.1	449.6	416.0	395.7	383.8	386.4	380.8	371.3
65–74 years . . . . .	698.8	713.9	754.2	817.9	872.3	868.2	847.3	841.3	847.0	836.2	826.4
75–84 years . . . . .	1,153.3	1,127.4	1,169.2	1,232.3	1,348.5	1,364.8	1,335.2	1,326.3	1,335.3	1,340.0	1,340.8
85 years and over . . . . .	1,451.0	1,450.0	1,320.7	1,594.6	1,752.9	1,823.8	1,805.0	1,749.4	1,761.3	1,796.7	1,795.6
Male											
All ages, age adjusted . . . . .	208.1	225.1	247.6	271.2	280.4	268.8	258.0	252.4	254.1	251.6	247.4
All ages, crude . . . . .	142.9	162.5	182.1	205.3	221.3	219.5	214.6	213.6	215.1	214.5	212.5
Under 1 year . . . . .	9.7	7.7	4.4	3.7	2.4	1.8	2.3	2.2	2.2	1.8	2.5
1–4 years . . . . .	12.5	12.4	8.3	5.2	3.7	3.6	3.1	2.4	2.4	2.9	3.0
5–14 years . . . . .	7.4	7.6	6.7	4.9	3.5	3.0	2.8	2.9	2.9	2.7	2.8
15–24 years . . . . .	9.7	10.2	10.4	7.8	5.7	5.5	5.2	5.4	5.4	5.3	5.2
25–34 years . . . . .	17.7	18.8	16.3	13.4	12.6	11.7	11.5	10.9	11.0	10.4	10.0
35–44 years . . . . .	45.6	48.9	53.0	44.0	38.5	36.5	34.5	34.4	34.6	33.6	32.9
45–54 years . . . . .	156.2	170.8	183.5	188.7	162.5	143.7	138.0	136.5	137.4	135.1	133.3
55–64 years . . . . .	413.1	459.9	511.8	520.8	532.9	480.5	453.4	441.1	444.1	437.9	423.5
65–74 years . . . . .	791.5	890.5	1,006.8	1,093.2	1,122.2	1,089.9	1,058.4	1,045.5	1,052.6	1,031.2	1,014.0
75–84 years . . . . .	1,332.6	1,389.4	1,588.3	1,790.5	1,914.4	1,842.3	1,770.2	1,745.6	1,757.5	1,746.2	1,730.9
85 years and over . . . . .	1,668.3	1,741.2	1,720.8	2,369.5	2,739.9	2,837.3	2,712.5	2,562.6	2,580.0	2,619.2	2,571.9
Female											
All ages, age adjusted . . . . .	182.3	168.7	163.2	166.7	175.7	175.4	171.6	169.2	170.4	169.9	169.6
All ages, crude . . . . .	136.8	136.4	144.4	163.6	186.0	191.0	189.2	187.7	189.0	189.4	189.9
Under 1 year . . . . .	7.6	6.8	5.0	2.7	2.2	1.8	2.5	1.9	1.9	1.7	2.2
1–4 years . . . . .	10.8	9.3	6.7	3.7	3.2	2.6	2.6	2.4	2.4	2.6	2.5
5–14 years . . . . .	6.0	6.0	5.2	3.6	2.8	2.4	2.5	2.3	2.3	2.4	2.3
15–24 years . . . . .	7.6	6.5	6.2	4.8	4.1	3.6	3.7	3.7	3.7	3.8	3.7
25–34 years . . . . .	22.2	20.1	16.7	14.0	12.6	12.2	11.7	11.7	11.8	10.7	11.0
35–44 years . . . . .	79.3	70.0	65.6	53.1	48.1	44.0	43.1	42.1	42.4	41.1	40.6
45–54 years . . . . .	194.0	183.0	181.5	171.8	155.5	140.7	132.3	128.2	129.1	125.9	125.5
55–64 years . . . . .	368.2	337.7	343.2	361.7	375.2	357.5	343.2	331.6	333.9	328.7	323.6
65–74 years . . . . .	612.3	560.2	557.9	607.1	677.4	690.7	676.8	675.2	679.8	676.6	671.8
75–84 years . . . . .	1,000.7	924.1	891.9	903.1	1,010.3	1,061.5	1,050.6	1,048.6	1,055.7	1,068.1	1,077.4
85 years and over . . . . .	1,299.7	1,263.9	1,096.7	1,255.7	1,372.1	1,429.1	1,439.2	1,412.5	1,422.1	1,449.1	1,461.3
White male											
All ages, age adjusted . . . . .	210.0	224.7	244.8	265.1	272.2	261.8	251.9	246.9	248.6	246.5	242.5
All ages, crude . . . . .	147.2	166.1	185.1	208.7	227.7	228.1	223.3	223.0	224.5	224.2	222.5
25–34 years . . . . .	17.7	18.8	16.2	13.6	12.3	11.3	11.2	10.7	10.8	10.2	10.0
35–44 years . . . . .	44.5	46.3	50.1	41.1	35.8	34.2	32.3	32.6	32.8	32.0	31.0
45–54 years . . . . .	150.8	164.1	172.0	175.4	149.9	134.3	129.0	126.5	127.4	126.0	125.0
55–64 years . . . . .	409.4	450.9	498.1	497.4	508.2	460.0	432.4	422.4	425.3	419.9	406.8
65–74 years . . . . .	798.7	887.3	997.0	1,070.7	1,090.7	1,064.6	1,038.7	1,030.1	1,037.1	1,017.1	999.3
75–84 years . . . . .	1,367.6	1,413.7	1,592.7	1,779.7	1,883.2	1,810.9	1,746.1	1,722.4	1,734.1	1,723.2	1,707.1
85 years and over . . . . .	1,732.7	1,791.4	1,772.2	2,375.6	2,715.1	2,805.2	2,695.5	2,554.3	2,571.7	2,612.7	2,569.2
Black male											
All ages, age adjusted . . . . .	178.9	227.6	291.9	353.4	397.9	372.8	354.7	343.1	345.4	340.5	333.2
All ages, crude . . . . .	106.6	136.7	171.6	205.5	221.9	209.1	203.0	199.0	200.4	198.4	195.6
25–34 years . . . . .	18.0	18.4	18.8	14.1	15.7	15.2	14.5	12.9	13.0	11.9	10.5
35–44 years . . . . .	55.7	72.9	81.3	73.8	64.3	57.5	54.3	50.0	50.3	47.7	48.8
45–54 years . . . . .	211.7	244.7	311.2	333.0	302.6	250.7	235.3	241.0	242.6	232.3	223.2
55–64 years . . . . .	490.8	579.7	689.2	812.5	859.2	755.3	723.3	697.4	702.1	689.2	654.3
65–74 years . . . . .	636.5	938.5	1,168.9	1,417.2	1,613.9	1,509.6	1,412.4	1,344.7	1,353.8	1,316.4	1,303.5
75–84 years <sup>4</sup> . . . . .	853.5	1,053.3	1,624.8	2,029.6	2,478.3	2,426.8	2,298.4	2,284.5	2,300.0	2,302.5	2,283.6
85 years and over . . . . .	---	1,155.2	1,387.0	2,393.9	3,238.3	3,338.2	3,306.2	3,050.5	3,071.2	3,098.1	3,012.7

See footnotes at end of table.



**Table 39 (page 2 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>American Indian or Alaska Native male<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	140.5	145.8	153.7	163.3	155.0	156.1	150.9	151.8
All ages, crude . . . . .	---	---	---	58.1	61.4	74.2	84.7	80.6	81.1	80.0	82.7
25–34 years . . . . .	---	---	---	*	*	*	*	*	*	*	*
35–44 years . . . . .	---	---	---	*	22.8	16.0	25.0	26.8	27.0	19.6	27.2
45–54 years . . . . .	---	---	---	86.9	86.9	88.0	109.3	90.6	91.2	91.4	90.2
55–64 years . . . . .	---	---	---	213.4	246.2	300.3	336.2	286.7	288.6	294.5	315.9
65–74 years . . . . .	---	---	---	613.0	530.6	670.4	761.6	711.3	716.1	716.5	699.8
75–84 years . . . . .	---	---	---	936.4	1,038.4	1,111.9	1,041.1	1,070.7	1,078.0	980.6	956.7
85 years and over . . . . .	---	---	---	1,471.2	1,654.4	1,081.5	1,011.3	1,067.0	1,074.3	1,067.5	1,078.1
<b>Asian or Pacific Islander male<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	165.2	172.5	182.7	158.9	155.5	156.6	154.2	155.1
All ages, crude . . . . .	---	---	---	81.9	82.7	87.1	87.0	89.0	89.6	89.2	89.3
25–34 years . . . . .	---	---	---	6.3	9.2	8.8	9.4	9.4	9.5	10.2	8.4
35–44 years . . . . .	---	---	---	29.4	27.7	27.4	26.1	26.0	26.2	26.6	26.6
45–54 years . . . . .	---	---	---	108.2	92.6	86.6	89.0	91.5	92.1	84.4	82.0
55–64 years . . . . .	---	---	---	298.5	274.6	255.4	261.6	246.5	248.2	243.5	244.1
65–74 years . . . . .	---	---	---	581.2	687.2	640.6	596.2	630.8	635.1	609.3	606.3
75–84 years . . . . .	---	---	---	1,147.6	1,229.9	1,278.9	1,160.3	1,095.3	1,102.7	1,085.4	1,131.8
85 years and over . . . . .	---	---	---	1,798.7	1,837.0	2,712.8	1,674.0	1,556.0	1,566.6	1,657.4	1,638.1
<b>Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	174.7	172.5	157.7	157.3	158.4	151.4	150.1
All ages, crude . . . . .	---	---	---	---	65.5	68.9	65.4	68.7	69.2	67.7	68.3
25–34 years . . . . .	---	---	---	---	8.0	9.2	8.8	8.5	8.6	8.2	8.9
35–44 years . . . . .	---	---	---	---	22.5	25.4	22.5	21.8	21.9	20.8	21.2
45–54 years . . . . .	---	---	---	---	96.6	85.8	87.3	87.7	88.3	86.9	80.9
55–64 years . . . . .	---	---	---	---	294.0	276.8	256.0	258.7	260.5	264.7	248.7
65–74 years . . . . .	---	---	---	---	655.5	667.1	627.2	666.2	670.7	626.7	605.6
75–84 years . . . . .	---	---	---	---	1,233.4	1,272.1	1,123.5	1,087.5	1,094.9	1,054.0	1,082.4
85 years and over . . . . .	---	---	---	---	2,019.4	1,858.7	1,658.8	1,551.0	1,561.5	1,419.8	1,470.0
<b>White, non-Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	276.7	264.9	256.2	251.2	252.9	251.4	247.5
All ages, crude . . . . .	---	---	---	---	246.2	247.1	244.7	243.9	245.6	246.3	245.0
25–34 years . . . . .	---	---	---	---	12.8	11.4	11.5	10.9	11.0	10.5	10.1
35–44 years . . . . .	---	---	---	---	36.8	34.7	33.1	33.7	33.9	33.2	32.1
45–54 years . . . . .	---	---	---	---	153.9	137.0	131.9	129.1	130.0	128.8	128.3
55–64 years . . . . .	---	---	---	---	520.6	469.9	443.3	432.2	435.1	429.6	417.2
65–74 years . . . . .	---	---	---	---	1,109.0	1,081.1	1,057.8	1,047.5	1,054.6	1,037.6	1,021.3
75–84 years . . . . .	---	---	---	---	1,906.6	1,825.6	1,765.7	1,745.8	1,757.7	1,750.2	1,734.0
85 years and over . . . . .	---	---	---	---	2,744.4	2,814.6	2,738.3	2,599.8	2,617.5	2,670.7	2,625.3
<b>White female</b>											
All ages, age adjusted . . . . .	182.0	167.7	162.5	165.2	174.0	173.7	170.0	167.7	168.8	168.6	168.7
All ages, crude . . . . .	139.9	139.8	149.4	170.3	196.1	202.4	200.4	199.1	200.5	201.1	202.2
25–34 years . . . . .	20.9	18.8	16.3	13.5	11.9	11.5	11.2	11.2	11.3	10.5	10.6
35–44 years . . . . .	74.5	66.6	62.4	50.9	46.2	42.0	40.6	39.3	39.6	38.7	38.2
45–54 years . . . . .	185.8	175.7	177.3	166.4	150.9	136.1	128.4	123.3	124.1	121.9	120.9
55–64 years . . . . .	362.5	329.0	338.6	355.5	368.5	352.6	339.6	326.5	328.7	324.3	321.7
65–74 years . . . . .	616.5	562.1	554.7	605.2	675.1	689.6	674.6	675.7	680.3	677.3	674.7
75–84 years . . . . .	1,026.6	939.3	903.5	905.4	1,011.8	1,060.2	1,049.7	1,051.1	1,058.2	1,067.6	1,080.1
85 years and over . . . . .	1,348.3	1,304.9	1,126.6	1,266.8	1,372.3	1,428.2	1,435.8	1,415.1	1,424.7	1,453.0	1,464.7

See footnotes at end of table.

**Table 39 (page 3 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>Black female</b>											
All ages, age adjusted . . . . .	174.1	174.3	173.4	189.5	205.9	206.0	204.4	200.0	201.4	200.2	196.6
All ages, crude . . . . .	111.8	113.8	117.3	136.5	156.1	159.1	160.5	158.5	159.6	159.0	157.2
25–34 years . . . . .	34.3	31.0	20.9	18.3	18.7	16.8	16.2	15.6	15.7	13.4	14.1
35–44 years . . . . .	119.8	102.4	94.6	73.5	67.4	62.2	62.9	64.1	64.5	60.5	59.5
45–54 years . . . . .	277.0	254.8	228.6	230.2	209.9	192.7	180.6	180.9	182.1	171.9	175.7
55–64 years . . . . .	484.6	442.7	404.8	450.4	482.4	443.6	426.4	419.9	422.8	408.9	386.6
65–74 years . . . . .	477.3	541.6	615.8	662.4	773.2	799.6	789.7	770.2	775.4	767.3	744.5
75–84 years <sup>4</sup> . . . . .	605.3	696.3	763.3	923.9	1,059.9	1,154.1	1,166.5	1,138.3	1,146.0	1,194.4	1,177.6
85 years and over . . . . .	---	728.9	791.5	1,159.9	1,431.3	1,490.3	1,602.3	1,513.5	1,523.8	1,560.4	1,582.6
<b>American Indian or Alaska Native female<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	94.0	106.9	110.9	108.6	111.3	112.1	109.1	109.1
All ages, crude . . . . .	---	---	---	50.4	62.1	69.9	71.8	74.9	75.4	73.3	74.6
25–34 years . . . . .	---	---	---	*	*	11.1	11.0	*	*	*	*
35–44 years . . . . .	---	---	---	36.9	31.0	33.5	36.8	33.4	33.6	27.7	30.9
45–54 years . . . . .	---	---	---	96.9	104.5	85.2	88.3	94.9	95.5	78.6	75.7
55–64 years . . . . .	---	---	---	198.4	213.3	223.2	245.5	255.8	257.5	256.0	236.0
65–74 years . . . . .	---	---	---	350.8	438.9	427.7	467.5	481.1	484.4	488.4	487.1
75–84 years . . . . .	---	---	---	446.4	554.3	723.9	613.4	599.9	604.0	671.9	657.6
85 years and over . . . . .	---	---	---	786.5	843.7	736.6	561.9	649.0	653.4	495.8	641.5
<b>Asian or Pacific Islander female<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	93.0	103.0	114.5	103.7	100.9	101.6	104.0	103.0
All ages, crude . . . . .	---	---	---	54.1	60.5	71.5	71.1	71.0	71.5	74.3	74.8
25–34 years . . . . .	---	---	---	9.5	7.3	10.6	7.0	9.3	9.4	7.5	8.9
35–44 years . . . . .	---	---	---	38.7	29.8	28.6	31.5	27.7	27.9	28.0	29.4
45–54 years . . . . .	---	---	---	99.8	93.9	98.0	81.1	83.3	83.9	83.1	82.2
55–64 years . . . . .	---	---	---	174.7	196.2	211.4	176.7	186.8	188.1	195.2	186.3
65–74 years . . . . .	---	---	---	301.9	346.2	351.2	376.4	362.7	365.2	379.3	374.0
75–84 years . . . . .	---	---	---	522.1	641.4	722.6	662.1	639.9	644.3	670.6	666.2
85 years and over . . . . .	---	---	---	800.0	971.7	1,307.7	1,014.0	908.8	915.0	919.5	912.1
<b>Hispanic female<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	111.9	106.1	103.8	100.5	101.2	101.4	100.6
All ages, crude . . . . .	---	---	---	---	60.7	60.5	61.4	60.4	60.8	61.4	62.0
25–34 years . . . . .	---	---	---	---	9.7	9.2	10.3	9.6	9.7	9.6	9.1
35–44 years . . . . .	---	---	---	---	34.8	31.2	30.5	29.8	30.0	30.1	31.5
45–54 years . . . . .	---	---	---	---	100.5	89.7	84.7	86.7	87.3	85.8	84.6
55–64 years . . . . .	---	---	---	---	205.4	197.6	201.6	189.9	191.2	180.5	184.3
65–74 years . . . . .	---	---	---	---	404.8	382.3	388.2	390.4	393.1	381.4	383.7
75–84 years . . . . .	---	---	---	---	663.0	659.6	622.4	588.5	592.5	626.8	625.1
85 years and over . . . . .	---	---	---	---	1,022.7	938.2	888.6	835.2	840.9	869.9	789.5

See footnotes at end of table.

**Table 39 (page 4 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
White, non-Hispanic female <sup>7</sup>	Deaths per 100,000 resident population										
All ages, age adjusted . . . . .	---	---	---	---	177.5	176.6	173.1	171.1	172.3	172.1	172.5
All ages, crude . . . . .	---	---	---	---	210.6	218.4	217.3	216.9	218.4	219.7	221.5
25–34 years . . . . .	---	---	---	---	11.9	11.7	11.2	11.3	11.4	10.4	10.7
35–44 years . . . . .	---	---	---	---	47.0	42.7	41.4	40.1	40.4	39.4	38.7
45–54 years . . . . .	---	---	---	---	154.9	139.3	131.2	125.7	126.6	124.5	123.6
55–64 years . . . . .	---	---	---	---	379.5	362.7	348.5	335.7	338.0	334.7	331.6
65–74 years . . . . .	---	---	---	---	688.5	703.1	688.7	691.2	695.9	694.6	692.9
75–84 years . . . . .	---	---	---	---	1,027.2	1,070.5	1,063.9	1,068.3	1,075.6	1,084.4	1,099.0
85 years and over . . . . .	---	---	---	---	1,385.7	1,438.4	1,452.5	1,435.7	1,445.5	1,474.8	1,492.6

--- Data not available.

\* Based on fewer than 20 deaths.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group 75 years and over.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases* (ICD). See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 40 (page 1 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
All persons											
All ages, age adjusted . . . . .	15.0	24.1	37.1	49.9	59.3	58.9	58.1	57.6	56.7	56.0	56.5
All ages, crude . . . . .	12.2	20.3	32.1	45.8	56.8	57.5	57.3	57.2	56.3	55.8	56.5
Under 25 years . . . . .	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25–34 years . . . . .	0.8	1.0	0.9	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.5
35–44 years . . . . .	4.5	6.8	11.0	9.2	6.8	6.0	6.2	6.1	6.0	6.1	6.1
45–54 years . . . . .	20.4	29.6	43.4	54.1	46.8	38.0	34.6	33.3	32.8	31.9	32.1
55–64 years . . . . .	48.7	75.3	109.1	138.2	160.6	142.9	134.3	131.4	129.3	125.5	124.0
65–74 years . . . . .	59.7	108.1	164.5	233.3	288.4	297.1	295.7	296.7	291.9	284.6	287.6
75–84 years . . . . .	55.8	91.5	163.2	240.5	333.3	361.4	368.5	367.7	361.7	364.4	372.2
85 years and over . . . . .	42.3	65.6	101.7	176.0	242.5	284.0	297.6	289.9	285.2	295.5	298.1
Male											
All ages, age adjusted . . . . .	24.6	43.6	67.5	85.2	91.1	84.7	81.6	79.9	78.6	77.0	76.6
All ages, crude . . . . .	19.9	35.4	53.4	68.6	75.1	71.6	69.7	69.3	68.2	67.1	67.2
Under 25 years . . . . .	0.0	0.0	0.1	0.1	0.0	0.1	*	0.0	0.0	*	*
25–34 years . . . . .	1.1	1.4	1.3	0.8	0.9	0.8	0.6	0.6	0.6	0.5	0.5
35–44 years . . . . .	7.1	10.5	16.1	11.9	8.5	7.1	7.1	7.0	6.9	6.6	6.9
45–54 years . . . . .	35.0	50.6	67.5	76.0	59.7	47.0	42.7	40.8	40.1	39.2	39.2
55–64 years . . . . .	83.8	139.3	189.7	213.6	222.9	187.4	173.7	168.4	165.7	161.5	156.9
65–74 years . . . . .	98.7	204.3	320.8	403.9	430.4	417.0	404.0	401.7	395.2	381.6	382.5
75–84 years . . . . .	82.6	167.1	330.8	488.8	572.9	552.1	543.0	534.7	526.0	521.4	523.2
85 years and over . . . . .	62.5	107.7	194.0	368.1	513.2	543.8	543.8	512.4	504.0	509.2	494.5
Female											
All ages, age adjusted . . . . .	5.8	7.5	13.1	24.4	37.1	40.7	41.4	41.5	40.8	40.8	41.8
All ages, crude . . . . .	4.5	6.4	11.9	24.3	39.4	44.1	45.4	45.7	45.0	45.0	46.3
Under 25 years . . . . .	0.1	0.0	0.0	*	*	*	*	*	*	*	*
25–34 years . . . . .	0.5	5.4	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.4	0.5
35–44 years . . . . .	1.9	3.2	6.1	6.5	5.2	5.0	5.4	5.3	5.2	5.5	5.4
45–54 years . . . . .	5.8	9.2	21.0	33.7	34.5	29.4	26.9	26.0	25.6	25.0	25.2
55–64 years . . . . .	13.6	15.4	36.8	72.0	105.0	102.6	98.5	97.6	96.0	92.6	94.0
65–74 years . . . . .	23.3	24.4	43.1	102.7	177.6	201.1	208.2	211.3	207.9	205.2	209.5
75–84 years . . . . .	32.9	32.8	52.4	94.1	190.1	240.3	254.3	257.2	253.0	259.3	270.3
85 years and over . . . . .	28.2	38.8	50.0	91.9	138.1	182.8	198.4	197.8	194.6	205.3	213.5
White male											
All ages, age adjusted . . . . .	25.1	43.6	67.1	83.8	89.0	82.9	80.2	78.6	77.3	75.8	75.5
All ages, crude . . . . .	20.8	36.4	54.6	70.2	77.8	74.9	73.1	72.7	71.5	70.6	70.8
45–54 years . . . . .	35.1	49.2	63.3	70.9	55.2	43.7	39.6	37.5	36.9	35.9	36.1
55–64 years . . . . .	85.4	139.2	186.8	205.6	213.7	180.4	167.4	162.5	159.9	156.5	152.6
65–74 years . . . . .	101.5	207.5	325.0	401.0	422.1	411.3	400.4	399.2	392.7	378.9	380.6
75–84 years . . . . .	85.5	170.4	336.7	493.5	572.2	548.8	540.1	531.7	523.0	518.0	521.1
85 years and over . . . . .	67.4	109.4	199.6	374.1	516.3	542.4	549.1	516.6	508.2	515.0	498.3
Black male											
All ages, age adjusted . . . . .	17.8	42.6	75.4	107.6	125.4	114.8	108.3	105.2	103.5	101.8	99.5
All ages, crude . . . . .	12.1	28.1	47.7	66.6	73.7	67.0	64.1	63.0	62.0	61.2	60.5
45–54 years . . . . .	34.4	68.4	115.4	133.8	114.9	87.6	79.4	78.8	77.5	76.2	73.7
55–64 years . . . . .	68.3	146.8	234.3	321.1	358.6	295.3	270.1	263.2	258.9	248.5	233.5
65–74 years . . . . .	53.8	168.3	300.5	472.3	585.4	547.9	507.9	487.5	479.6	465.6	467.2
75–84 years <sup>4</sup> . . . . .	36.2	107.3	271.6	472.9	645.4	660.8	660.1	647.5	636.9	645.1	623.9
85 years and over . . . . .	---	82.8	137.0	311.3	499.5	573.2	553.8	533.1	524.4	532.5	519.3
American Indian or Alaska Native male <sup>5</sup>											
All ages, age adjusted . . . . .	---	---	---	31.7	47.5	49.5	52.0	54.1	53.2	45.5	42.1
All ages, crude . . . . .	---	---	---	14.2	20.0	23.9	26.5	27.8	27.3	24.0	22.4
45–54 years . . . . .	---	---	---	*	26.6	26.5	32.1	30.2	29.7	20.2	18.7
55–64 years . . . . .	---	---	---	72.0	97.8	106.1	124.9	109.9	108.1	113.5	106.2
65–74 years . . . . .	---	---	---	202.8	194.3	256.0	268.4	294.5	289.7	267.4	199.6
75–84 years . . . . .	---	---	---	*	356.2	338.4	339.9	376.7	370.6	259.3	305.4
85 years and over . . . . .	---	---	---	*	*	*	*	*	*	*	*

See footnotes at end of table.

**Table 40 (page 2 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Deaths per 100,000 resident population											
Asian or Pacific Islander male <sup>6</sup>											
All ages, age adjusted . . . . .	---	---	---	43.3	44.2	45.3	41.5	42.3	41.6	40.3	42.4
All ages, crude . . . . .	---	---	---	22.1	20.7	21.5	22.4	23.5	23.1	22.8	23.8
45–54 years . . . . .	---	---	---	33.3	18.8	19.6	17.4	17.3	17.0	16.0	17.9
55–64 years . . . . .	---	---	---	94.4	74.4	67.1	72.8	66.6	65.5	59.5	65.4
65–74 years . . . . .	---	---	---	174.3	215.8	191.9	194.5	215.3	211.8	210.0	198.5
75–84 years . . . . .	---	---	---	301.3	307.5	324.9	300.4	318.4	313.2	320.1	336.8
85 years and over . . . . .	---	---	---	*	421.3	572.2	367.1	332.9	327.5	265.5	339.6
Hispanic male <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	44.1	40.2	37.0	35.6	35.0	35.2	34.0
All ages, crude . . . . .	---	---	---	---	16.2	15.6	14.6	15.0	14.8	15.1	14.8
45–54 years . . . . .	---	---	---	---	21.5	17.7	17.3	15.7	15.4	14.6	15.0
55–64 years . . . . .	---	---	---	---	80.7	68.7	58.9	58.9	57.9	67.2	57.6
65–74 years . . . . .	---	---	---	---	195.5	183.5	176.1	173.4	170.6	164.3	155.6
75–84 years . . . . .	---	---	---	---	313.4	303.5	274.0	271.4	267.0	265.8	271.3
85 years and over . . . . .	---	---	---	---	420.7	352.5	332.9	264.1	259.8	264.4	264.5
White, non-Hispanic male <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	91.1	84.7	82.6	81.0	79.7	78.2	78.1
All ages, crude . . . . .	---	---	---	---	84.7	81.8	81.2	80.8	79.5	78.5	79.1
45–54 years . . . . .	---	---	---	---	57.8	45.4	41.4	39.3	38.7	37.7	38.0
55–64 years . . . . .	---	---	---	---	221.0	186.8	175.0	169.6	166.8	162.9	159.7
65–74 years . . . . .	---	---	---	---	431.4	420.3	412.1	411.6	404.9	391.3	394.8
75–84 years . . . . .	---	---	---	---	580.4	554.9	549.5	542.6	533.8	528.8	532.7
85 years and over . . . . .	---	---	---	---	520.9	543.4	557.7	528.7	520.1	526.9	510.0
White female											
All ages, age adjusted . . . . .	5.9	6.8	13.1	24.5	37.6	41.4	42.2	42.3	41.6	41.5	42.8
All ages, crude . . . . .	4.7	5.9	12.3	25.6	42.4	48.0	49.3	49.7	48.9	48.9	50.6
45–54 years . . . . .	5.7	9.0	20.9	33.0	34.6	29.5	26.8	25.8	25.4	24.7	24.9
55–64 years . . . . .	13.7	15.1	37.2	71.9	105.7	104.7	100.9	99.7	98.1	94.9	96.7
65–74 years . . . . .	23.7	24.8	42.9	104.6	181.3	205.0	213.2	216.6	213.1	211.0	216.2
75–84 years . . . . .	34.0	32.7	52.6	95.2	194.6	246.1	259.7	263.1	258.8	263.6	276.9
85 years and over . . . . .	29.3	39.1	50.6	92.4	138.3	184.0	200.5	200.3	197.0	207.4	216.8
Black female											
All ages, age adjusted . . . . .	4.5	6.8	13.7	24.8	36.8	39.1	40.7	40.9	40.2	40.5	40.2
All ages, crude . . . . .	2.8	4.3	9.4	18.3	28.1	30.2	31.9	32.2	31.7	31.8	31.9
45–54 years . . . . .	7.5	11.3	23.9	43.4	41.3	34.9	33.6	33.4	32.9	32.5	33.2
55–64 years . . . . .	12.9	17.9	33.5	79.9	117.9	106.5	101.8	102.6	100.9	93.9	94.2
65–74 years . . . . .	14.0	18.1	46.1	88.0	164.3	195.3	200.5	202.5	199.2	190.9	191.9
75–84 years <sup>4</sup> . . . . .	*	31.3	49.1	79.4	148.1	188.6	220.1	222.4	218.8	245.6	235.0
85 years and over . . . . .	---	34.2	44.8	85.8	134.9	163.7	184.2	176.6	173.7	190.5	192.5
American Indian or Alaska Native female <sup>5</sup>											
All ages, age adjusted . . . . .	---	---	---	11.7	19.3	24.7	24.1	26.1	25.7	26.9	25.6
All ages, crude . . . . .	---	---	---	6.0	11.2	15.0	15.2	16.9	16.6	17.5	17.1
45–54 years . . . . .	---	---	---	*	22.9	*	*	18.0	17.7	*	15.3
55–64 years . . . . .	---	---	---	*	53.7	47.8	65.8	62.0	61.0	80.2	61.8
65–74 years . . . . .	---	---	---	*	78.5	131.8	130.0	157.0	154.4	148.7	161.1
75–84 years . . . . .	---	---	---	*	111.8	185.0	141.3	130.6	128.5	163.7	125.6
85 years and over . . . . .	---	---	---	*	*	*	*	*	*	*	*

See footnotes at end of table.



**Table 40 (page 3 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Deaths per 100,000 resident population											
Asian or Pacific Islander female <sup>6</sup>											
All ages, age adjusted . . . . .	---	---	---	15.4	18.9	22.9	19.4	19.5	19.2	19.6	18.8
All ages, crude . . . . .	---	---	---	8.4	10.5	13.4	12.9	13.2	13.0	13.5	13.1
45–54 years . . . . .	---	---	---	13.5	11.3	12.1	9.8	9.9	9.7	12.2	10.4
55–64 years . . . . .	---	---	---	24.6	38.3	39.1	32.3	35.9	35.3	32.0	32.1
65–74 years . . . . .	---	---	---	62.4	71.6	86.1	79.7	82.0	80.7	85.6	80.6
75–84 years . . . . .	---	---	---	117.7	137.9	162.9	147.3	138.6	136.3	132.4	138.4
85 years and over . . . . .	---	---	---	*	172.9	281.9	170.5	176.3	173.4	199.7	161.8
Hispanic female <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	14.1	13.6	14.5	13.2	13.0	13.1	13.1
All ages, crude . . . . .	---	---	---	---	7.2	7.3	8.1	7.5	7.4	7.5	7.6
45–54 years . . . . .	---	---	---	---	8.7	7.1	7.1	7.3	7.2	6.7	7.1
55–64 years . . . . .	---	---	---	---	25.1	24.8	27.7	23.9	23.5	22.3	21.2
65–74 years . . . . .	---	---	---	---	66.8	56.8	67.2	59.5	58.5	60.4	61.8
75–84 years . . . . .	---	---	---	---	94.3	103.6	101.3	95.0	93.5	90.4	97.9
85 years and over . . . . .	---	---	---	---	118.2	117.0	116.0	105.5	103.8	124.2	102.8
White, non-Hispanic female <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	39.0	42.9	43.8	44.1	43.4	43.4	44.8
All ages, crude . . . . .	---	---	---	---	46.2	52.6	54.4	55.2	54.3	54.6	56.7
45–54 years . . . . .	---	---	---	---	36.6	31.3	28.4	27.4	27.0	26.4	26.6
55–64 years . . . . .	---	---	---	---	111.3	110.5	106.3	105.6	103.9	100.8	103.0
65–74 years . . . . .	---	---	---	---	186.4	212.0	221.3	226.1	222.4	220.6	226.8
75–84 years . . . . .	---	---	---	---	199.1	250.5	265.6	270.0	265.6	271.0	285.3
85 years and over . . . . .	---	---	---	---	139.0	185.1	203.3	203.9	200.6	210.6	221.5

0.0 Quantity more than zero but less than 0.05.

\* Based on fewer than 20 deaths.

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group 75 years and over.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases (ICD)*. See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 41 (page 1 of 2). Death rates for malignant neoplasm of breast for females, according to race, Hispanic origin, and age: United States, selected years 1950–2000** (updated 11/13/2002)

[Data are based on death certificates]

<i>Race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>All persons</b>											
All ages, age adjusted . . . . .	31.9	31.7	32.1	31.9	33.3	30.8	28.6	27.9	28.1	27.0	27.1
All ages, crude . . . . .	24.7	26.1	28.4	30.6	34.0	32.6	30.7	30.2	30.4	29.5	29.8
Under 25 years . . . . .	*	*	*	*	*	*	*	*	*	*	*
25–34 years . . . . .	3.8	3.8	3.9	3.3	2.9	2.7	2.6	2.6	2.6	2.3	2.5
35–44 years . . . . .	20.8	20.2	20.4	17.9	17.8	15.0	14.0	13.4	13.5	12.1	12.5
45–54 years . . . . .	46.9	51.4	52.6	48.1	45.4	41.4	37.8	35.8	36.0	33.5	33.4
55–64 years . . . . .	69.9	70.8	77.6	80.5	78.6	69.8	64.4	62.2	62.5	59.9	59.7
65–74 years . . . . .	95.0	90.0	93.8	101.1	111.7	103.3	94.1	93.3	93.8	89.9	89.4
75–84 years . . . . .	139.8	129.9	127.4	126.4	146.3	142.0	132.2	131.4	132.1	131.3	131.2
85 years and over . . . . .	195.5	191.9	157.1	169.3	196.8	203.7	198.5	194.7	195.8	202.6	206.4
<b>White</b>											
All ages, age adjusted . . . . .	32.4	32.0	32.5	32.1	33.2	30.4	28.0	27.3	27.5	26.4	26.6
All ages, crude . . . . .	25.7	27.2	29.9	32.3	35.9	34.1	31.9	31.5	31.7	30.7	31.1
35–44 years . . . . .	20.8	19.7	20.2	17.3	17.1	14.1	12.9	12.2	12.3	10.8	11.4
45–54 years . . . . .	47.1	51.2	53.0	48.1	44.3	39.2	36.1	33.8	34.0	31.4	31.4
55–64 years . . . . .	70.9	71.8	79.3	81.3	78.5	68.7	62.8	60.7	61.0	58.1	58.3
65–74 years . . . . .	96.3	91.6	95.9	103.7	113.3	103.9	93.6	94.1	94.6	89.9	90.5
75–84 years . . . . .	143.6	132.8	129.6	128.4	148.2	143.0	132.3	132.2	132.9	131.7	132.2
85 years and over . . . . .	204.2	199.7	161.9	171.7	198.0	205.9	199.9	196.4	197.5	205.0	206.3
<b>Black</b>											
All ages, age adjusted . . . . .	25.3	27.9	28.9	31.7	38.1	38.3	37.7	35.7	35.9	35.6	34.9
All ages, crude . . . . .	16.4	18.7	19.7	22.9	29.0	30.2	30.4	29.2	29.4	29.3	28.9
35–44 years . . . . .	21.0	24.8	24.4	24.1	25.8	23.1	23.1	23.0	23.1	21.9	21.1
45–54 years . . . . .	46.5	54.4	52.0	52.7	60.5	62.6	56.4	55.7	56.0	54.0	52.0
55–64 years . . . . .	64.3	63.2	64.7	79.9	93.1	88.8	88.1	82.1	82.6	81.7	80.0
65–74 years . . . . .	67.0	72.3	77.3	84.3	112.2	117.3	117.7	104.9	105.5	105.5	97.5
75–84 years <sup>4</sup> . . . . .	81.0	87.5	101.8	114.1	140.5	151.6	154.0	146.5	147.3	152.0	146.4
85 years and over . . . . .	---	92.1	112.1	149.9	201.5	198.6	211.2	206.6	207.8	205.9	247.2
<b>American Indian or Alaska Native<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	10.8	13.7	14.6	13.1	14.2	14.3	15.4	14.7
All ages, crude . . . . .	---	---	---	6.1	8.6	9.8	9.0	10.1	10.2	10.7	10.6
35–44 years . . . . .	---	---	---	*	*	*	*	*	*	*	*
45–54 years . . . . .	---	---	---	*	23.9	24.0	19.6	21.2	21.3	19.6	18.2
55–64 years . . . . .	---	---	---	*	*	39.1	32.9	38.2	38.4	35.7	46.9
65–74 years . . . . .	---	---	---	*	*	45.4	48.2	42.8	43.0	70.3	45.2
75–84 years . . . . .	---	---	---	*	*	*	*	*	*	*	66.1
85 years and over . . . . .	---	---	---	*	*	*	*	*	*	*	*
<b>Asian or Pacific Islander<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	11.9	13.7	14.6	12.6	13.1	13.2	13.1	12.7
All ages, crude . . . . .	---	---	---	8.2	9.3	11.1	9.9	10.6	10.7	10.4	10.5
35–44 years . . . . .	---	---	---	10.4	8.4	8.3	8.2	7.8	7.8	6.6	8.3
45–54 years . . . . .	---	---	---	23.4	26.4	30.2	23.2	22.9	23.0	20.9	23.4
55–64 years . . . . .	---	---	---	35.7	33.8	39.4	33.1	40.0	40.2	38.7	33.0
65–74 years . . . . .	---	---	---	*	38.5	37.4	34.1	35.0	35.2	38.7	36.3
75–84 years . . . . .	---	---	---	*	48.0	44.9	40.6	42.3	42.5	45.3	38.5
85 years and over . . . . .	---	---	---	*	*	*	68.8	54.3	54.6	71.5	62.9
<b>Hispanic<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	19.5	18.1	17.8	16.8	16.9	15.4	15.8
All ages, crude . . . . .	---	---	---	---	11.5	10.9	11.2	10.7	10.8	9.9	10.3
35–44 years . . . . .	---	---	---	---	11.7	9.7	9.9	9.8	9.9	8.5	8.9
45–54 years . . . . .	---	---	---	---	32.8	27.7	26.7	25.3	25.4	24.1	23.9
55–64 years . . . . .	---	---	---	---	45.8	43.8	45.4	43.1	43.3	35.3	37.5
65–74 years . . . . .	---	---	---	---	64.8	55.7	52.9	54.7	55.0	46.3	51.4
75–84 years . . . . .	---	---	---	---	67.2	75.5	71.6	63.6	64.0	63.4	65.4
85 years and over . . . . .	---	---	---	---	102.8	105.4	101.9	85.9	86.4	97.9	79.1

See footnotes at end of table.

**Table 41 (page 2 of 2). Death rates for malignant neoplasm of breast for females, according to race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	<i>Comparability modified 1998<sup>2</sup></i>	1999 <sup>3</sup>	2000 <sup>3</sup>
White, non-Hispanic <sup>7</sup>	Deaths per 100,000 resident population										
All ages, age adjusted . . . . .	---	---	---	---	33.9	30.9	28.5	27.9	28.1	27.0	27.2
All ages, crude . . . . .	---	---	---	---	38.5	36.8	34.4	34.2	34.4	33.5	33.9
35–44 years . . . . .	---	---	---	---	17.5	14.4	13.1	12.4	12.5	11.0	11.5
45–54 years . . . . .	---	---	---	---	45.2	39.9	36.7	34.4	34.6	31.9	31.9
55–64 years . . . . .	---	---	---	---	80.6	70.2	63.8	61.7	62.0	59.7	59.7
65–74 years . . . . .	---	---	---	---	115.7	106.2	95.7	96.3	96.8	92.6	93.0
75–84 years . . . . .	---	---	---	---	151.4	145.2	134.4	135.0	135.8	134.5	135.1
85 years and over . . . . .	---	---	---	---	201.5	208.3	203.3	200.6	201.7	209.2	211.7

\* Based on fewer than 20 deaths.

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group 75 years and over.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases* (ICD). See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 42 (page 1 of 3). Death rates for chronic lower respiratory diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1980–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1980</i>	<i>1990</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>2</sup></i>	<i>2000<sup>2</sup></i>
Deaths per 100,000 resident population										
All persons										
All ages, age adjusted . . . . .	28.3	37.2	40.6	40.5	41.0	41.5	42.0	44.0	45.8	44.3
All ages, crude . . . . .	24.7	34.9	39.0	39.2	40.0	40.7	41.7	43.7	45.5	44.3
Under 1 year . . . . .	1.6	1.4	1.4	1.1	1.0	1.3	1.0	1.0	0.9	0.9
1–4 years . . . . .	0.4	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.3
5–14 years . . . . .	0.2	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4
15–24 years . . . . .	0.3	0.5	0.6	0.7	0.7	0.5	0.6	0.6	0.6	0.5
25–34 years . . . . .	0.5	0.7	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8
35–44 years . . . . .	1.6	1.6	1.8	2.0	2.0	2.0	2.0	2.1	2.0	2.1
45–54 years . . . . .	9.8	9.1	9.0	8.9	8.7	8.4	8.2	8.6	8.7	8.8
55–64 years . . . . .	42.7	48.9	49.2	47.3	47.0	46.3	44.8	46.9	48.3	44.8
65–74 years . . . . .	129.1	152.5	163.8	160.6	161.6	165.3	169.1	177.2	179.2	171.5
75–84 years . . . . .	224.4	321.1	351.9	351.8	358.3	359.6	365.8	383.3	400.4	387.6
85 years and over . . . . .	274.0	433.3	509.7	527.8	540.9	561.9	569.3	596.5	642.7	640.1
Male										
All ages, age adjusted . . . . .	49.9	55.5	55.7	55.0	54.2	54.6	54.0	56.6	58.1	54.9
All ages, crude . . . . .	35.1	40.8	42.3	42.0	42.0	42.7	43.2	45.3	46.8	44.6
Under 1 year . . . . .	1.9	1.6	1.7	1.4	1.3	1.6	1.2	1.3	*	1.2
1–4 years . . . . .	0.5	0.5	0.3	0.2	0.4	0.3	0.4	0.4	0.4	0.4
5–14 years . . . . .	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4
15–24 years . . . . .	0.4	0.5	0.8	0.7	0.7	0.7	0.8	0.8	0.6	0.6
25–34 years . . . . .	0.6	0.7	0.9	0.9	0.8	1.0	0.9	0.9	0.8	0.9
35–44 years . . . . .	1.7	1.7	1.8	1.7	1.9	1.9	1.9	2.0	1.8	2.0
45–54 years . . . . .	12.1	9.4	9.3	9.0	8.9	8.8	8.2	8.6	8.9	9.1
55–64 years . . . . .	59.9	58.6	55.9	52.9	52.2	50.5	49.6	52.0	53.4	48.7
65–74 years . . . . .	210.0	204.0	202.0	196.9	192.6	201.3	201.2	210.8	213.2	197.6
75–84 years . . . . .	437.4	500.0	490.4	482.5	478.8	469.6	471.5	494.0	507.2	480.3
85 years and over . . . . .	583.4	815.1	874.9	896.2	878.6	902.8	869.8	911.4	959.0	918.3
Female										
All ages, age adjusted . . . . .	14.9	26.6	31.9	32.2	33.4	33.9	34.8	36.5	38.2	37.9
All ages, crude . . . . .	15.0	29.2	35.9	36.4	38.0	38.8	40.2	42.1	44.3	44.1
Under 1 year . . . . .	1.3	1.2	1.1	*	*	*	*	*	*	*
1–4 years . . . . .	*	*	*	*	*	*	*	*	0.3	0.3
5–14 years . . . . .	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.2	0.3
15–24 years . . . . .	0.3	0.5	0.5	0.6	0.6	0.4	0.5	0.5	0.5	0.4
25–34 years . . . . .	0.5	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.7
35–44 years . . . . .	1.5	1.5	1.7	2.2	2.1	2.1	2.0	2.1	2.1	2.2
45–54 years . . . . .	7.7	8.8	8.7	8.8	8.4	8.1	8.2	8.6	8.5	8.4
55–64 years . . . . .	27.6	40.3	43.1	42.2	42.4	42.6	40.5	42.4	43.6	41.3
65–74 years . . . . .	67.1	112.3	133.4	131.5	136.7	136.1	143.0	149.8	151.4	150.0
75–84 years . . . . .	98.7	214.2	265.2	268.8	280.4	287.6	295.8	309.9	328.9	324.9
85 years and over . . . . .	138.7	286.0	368.8	384.3	406.7	424.5	444.7	466.0	509.0	520.2
White male										
All ages, age adjusted . . . . .	51.6	56.6	56.9	56.1	55.5	55.9	55.4	58.0	59.6	56.3
All ages, crude . . . . .	37.9	44.3	46.4	46.1	46.1	47.0	47.7	50.0	51.7	49.3
35–44 years . . . . .	1.2	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.6
45–54 years . . . . .	11.4	8.6	8.7	8.3	8.5	8.3	7.6	8.0	8.3	8.5
55–64 years . . . . .	60.0	58.7	56.7	53.2	52.3	51.0	50.0	52.4	54.0	49.2
65–74 years . . . . .	218.4	208.1	206.9	201.6	198.4	207.5	208.5	218.5	220.5	204.4
75–84 years . . . . .	459.8	513.5	504.2	496.3	491.1	481.4	485.5	508.7	519.8	495.2
85 years and over . . . . .	611.2	847.0	907.7	924.0	917.5	940.1	904.8	948.0	997.5	951.4
Black male										
All ages, age adjusted . . . . .	34.0	47.6	46.9	47.0	46.1	45.8	45.2	47.4	50.1	46.0
All ages, crude . . . . .	19.3	25.2	24.9	24.9	24.7	24.6	24.7	25.9	27.2	25.3
35–44 years . . . . .	5.8	5.3	4.9	4.3	5.2	4.8	5.0	5.2	4.7	4.8
45–54 years . . . . .	19.7	18.8	16.6	17.3	15.4	14.9	15.1	15.8	16.0	15.7
55–64 years . . . . .	66.6	67.4	61.0	62.0	63.2	56.6	56.6	59.3	62.0	57.0
65–74 years . . . . .	142.0	184.5	181.7	175.1	161.6	170.7	164.2	172.0	177.4	169.1
75–84 years . . . . .	229.8	390.9	374.1	366.5	380.7	374.9	372.1	389.9	423.9	359.6
85 years and over . . . . .	271.6	498.0	561.7	613.6	579.5	586.5	570.9	598.2	650.9	639.6

See footnotes at end of table.

**Table 42 (page 2 of 3). Death rates for chronic lower respiratory diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1980–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1980</i>	<i>1990</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>2</sup></i>	<i>2000<sup>2</sup></i>
<b>Deaths per 100,000 resident population</b>										
<b>American Indian or Alaska Native male<sup>3</sup></b>										
All ages, age adjusted . . . . .	23.0	38.3	32.5	30.9	27.7	38.7	37.8	39.6	34.7	38.7
All ages, crude . . . . .	8.4	13.8	13.4	13.4	11.9	17.9	17.7	18.5	16.6	18.9
35–44 years . . . . .	*	*	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*	*	*	*
55–64 years . . . . .	*	*	33.3	39.2	*	54.0	47.5	49.8	40.2	57.3
65–74 years . . . . .	*	135.7	130.4	129.3	115.9	127.8	139.8	146.5	166.8	120.2
75–84 years . . . . .	*	363.8	301.8	253.8	229.7	339.9	317.3	332.5	297.0	345.8
85 years and over . . . . .	*	*	*	*	421.9	488.8	500.2	524.1	340.3	524.5
<b>Asian or Pacific Islander male<sup>4</sup></b>										
All ages, age adjusted . . . . .	21.5	29.8	30.1	33.3	28.2	29.2	25.5	26.7	29.3	28.2
All ages, crude . . . . .	8.7	11.3	11.5	12.3	12.7	12.9	11.9	12.5	13.8	13.3
35–44 years . . . . .	*	*	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*	*	*	5.0
55–64 years . . . . .	*	22.1	15.7	16.4	19.2	16.6	17.1	17.9	15.2	9.3
65–74 years . . . . .	70.6	91.4	85.5	91.7	89.9	86.2	74.7	78.3	87.6	77.3
75–84 years . . . . .	155.7	258.6	264.2	263.6	294.8	276.3	216.4	226.7	278.2	265.0
85 years and over . . . . .	472.4	615.2	660.6	847.8	421.7	568.2	553.5	580.0	581.2	602.6
<b>Hispanic male<sup>5</sup></b>										
All ages, age adjusted . . . . .	---	28.6	28.8	29.9	26.8	27.2	26.2	27.5	27.3	23.6
All ages, crude . . . . .	---	8.4	9.0	9.4	8.7	9.0	9.3	9.7	9.8	8.9
35–44 years . . . . .	---	*	1.3	1.1	1.1	1.5	1.3	1.4	1.5	1.0
45–54 years . . . . .	---	4.1	4.6	3.9	4.0	3.5	3.7	3.9	3.7	3.5
55–64 years . . . . .	---	17.2	18.2	18.8	18.8	17.6	17.7	18.5	17.3	17.8
65–74 years . . . . .	---	81.0	80.3	78.8	68.4	77.2	73.4	76.9	76.8	67.3
75–84 years . . . . .	---	252.4	253.5	273.8	240.3	220.2	231.7	242.8	229.4	207.4
85 years and over . . . . .	---	613.9	616.2	634.5	579.5	634.3	541.7	567.6	610.7	481.3
<b>White, non-Hispanic male<sup>5</sup></b>										
All ages, age adjusted . . . . .	---	57.9	57.7	56.9	56.6	57.2	56.8	59.5	61.3	58.1
All ages, crude . . . . .	---	48.5	50.7	50.4	50.9	52.2	52.9	55.4	57.6	55.3
35–44 years . . . . .	---	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.6
45–54 years . . . . .	---	9.0	8.9	8.5	8.7	8.6	7.9	8.3	8.6	8.9
55–64 years . . . . .	---	61.3	58.8	55.2	54.1	53.3	52.3	54.8	56.6	51.4
65–74 years . . . . .	---	213.4	211.5	206.5	204.0	214.2	215.9	226.2	228.9	212.8
75–84 years . . . . .	---	523.7	510.3	501.9	499.5	491.0	495.8	519.5	532.6	508.9
85 years and over . . . . .	---	860.6	908.6	924.5	928.0	951.1	920.4	964.4	1,014.3	975.6
<b>White female</b>										
All ages, age adjusted . . . . .	15.5	27.8	33.4	33.6	34.9	35.5	36.5	38.2	40.2	40.0
All ages, crude . . . . .	16.4	32.8	40.6	41.2	43.0	44.1	45.7	47.9	50.5	50.4
35–44 years . . . . .	1.3	1.2	1.3	1.7	1.7	1.7	1.6	1.7	1.8	1.8
45–54 years . . . . .	7.6	8.3	8.3	8.4	8.0	7.8	7.7	8.1	8.2	8.0
55–64 years . . . . .	28.7	41.9	45.2	44.3	44.6	44.8	42.7	44.7	46.1	43.5
65–74 years . . . . .	71.0	118.8	141.8	139.8	145.3	145.3	153.0	160.3	162.2	161.8
75–84 years . . . . .	104.0	226.3	280.1	282.8	296.4	304.2	312.9	327.9	347.3	344.4
85 years and over . . . . .	144.2	298.4	384.9	402.0	423.6	445.0	466.6	488.9	535.1	547.0
<b>Black female</b>										
All ages, age adjusted . . . . .	9.1	16.6	20.1	20.5	21.8	21.1	22.3	23.4	23.9	23.1
All ages, crude . . . . .	6.8	12.6	15.4	15.8	17.0	16.5	17.5	18.3	18.7	18.2
35–44 years . . . . .	3.4	3.8	5.1	5.4	5.0	5.0	5.3	5.6	4.6	4.8
45–54 years . . . . .	9.3	14.0	13.5	12.9	13.2	12.2	14.2	14.9	12.8	13.5
55–64 years . . . . .	20.8	33.4	35.8	34.7	34.8	35.8	33.8	35.4	34.7	34.9
65–74 years . . . . .	32.7	64.7	79.2	78.3	84.3	81.4	84.8	88.9	88.3	81.9
75–84 years . . . . .	41.1	96.0	122.1	136.6	137.6	136.9	148.9	156.0	174.0	165.9
85 years and over . . . . .	63.2	133.0	195.0	191.4	236.5	220.9	231.1	242.1	262.9	264.1

See footnotes at end of table.

**Table 42 (page 3 of 3). Death rates for chronic lower respiratory diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1980–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1980</i>	<i>1990</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>2</sup></i>	<i>2000<sup>2</sup></i>
Deaths per 100,000 resident population										
<b>American Indian or Alaska Native female<sup>3</sup></b>										
All ages, age adjusted . . . . .	7.7	16.8	20.1	20.8	22.2	19.3	21.7	22.7	27.3	24.9
All ages, crude . . . . .	3.8	8.7	11.5	12.5	13.4	12.2	13.6	14.3	17.3	16.3
35–44 years . . . . .	*	*	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*	*	*	*
55–64 years . . . . .	*	*	34.0	40.6	32.6	35.7	31.6	33.1	44.6	37.1
65–74 years . . . . .	*	56.4	73.8	77.8	78.7	88.1	118.2	123.8	110.5	145.3
75–84 years . . . . .	*	116.7	189.7	168.9	192.9	137.5	165.8	173.7	259.2	161.9
85 years and over . . . . .	*	*	*	*	265.8	171.0	162.3	170.1	194.0	236.4
<b>Asian or Pacific Islander female<sup>4</sup></b>										
All ages, age adjusted . . . . .	5.8	11.0	11.8	13.2	11.3	12.6	11.0	11.5	12.0	11.5
All ages, crude . . . . .	2.6	5.2	5.8	6.5	6.5	7.2	6.4	6.7	7.2	7.1
35–44 years . . . . .	*	*	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	3.6	*	*	*	*	*	*
55–64 years . . . . .	*	15.2	9.4	10.0	11.1	9.2	6.7	7.0	8.1	6.6
65–74 years . . . . .	*	26.5	29.4	29.8	32.7	32.2	28.5	29.9	41.2	30.5
75–84 years . . . . .	*	80.6	105.5	120.1	81.1	117.7	92.4	96.8	95.7	91.1
85 years and over . . . . .	*	232.5	238.0	272.6	240.9	242.3	252.3	264.4	246.5	276.3
<b>Hispanic female<sup>5</sup></b>										
All ages, age adjusted . . . . .	---	13.4	14.7	15.8	16.1	14.9	13.7	14.4	15.3	13.8
All ages, crude . . . . .	---	6.3	7.3	7.9	8.3	7.8	7.4	7.8	8.4	7.7
35–44 years . . . . .	---	*	1.3	1.5	1.3	1.1	1.9	2.0	1.8	1.3
45–54 years . . . . .	---	4.9	4.1	4.6	4.1	4.4	3.2	3.4	4.2	3.3
55–64 years . . . . .	---	14.4	12.1	12.5	13.0	11.7	11.6	12.2	11.5	10.3
65–74 years . . . . .	---	36.6	41.2	41.4	40.9	38.6	38.3	40.1	44.8	35.6
75–84 years . . . . .	---	101.1	114.5	116.7	134.1	119.3	116.6	122.2	126.2	118.7
85 years and over . . . . .	---	269.0	308.4	367.2	342.8	322.6	261.1	273.6	299.3	289.8
<b>White, non-Hispanic female<sup>5</sup></b>										
All ages, age adjusted . . . . .	---	28.5	34.1	34.4	35.8	36.5	37.7	39.5	41.5	41.5
All ages, crude . . . . .	---	35.7	44.4	45.0	47.2	48.6	50.7	53.1	56.3	56.5
35–44 years . . . . .	---	1.2	1.3	1.7	1.7	1.8	1.5	1.6	1.8	1.9
45–54 years . . . . .	---	8.5	8.5	8.6	8.2	8.1	8.0	8.4	8.6	8.4
55–64 years . . . . .	---	43.7	47.3	46.6	46.8	47.3	45.1	47.3	48.9	46.2
65–74 years . . . . .	---	122.8	146.2	144.0	150.4	151.2	160.0	167.6	169.8	170.5
75–84 years . . . . .	---	231.9	285.6	288.4	302.5	310.9	320.9	336.2	356.6	354.9
85 years and over . . . . .	---	302.1	383.6	401.2	426.8	447.9	473.7	496.3	544.1	557.6

\* Based on fewer than 20 deaths.

--- Data not available.

<sup>1</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>3</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>4</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>5</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases (ICD)*. See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1980–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.



**Table 43 (page 1 of 2). Death rates for human immunodeficiency virus (HIV) disease, according to sex, race, Hispanic origin, and age: United States, selected years 1987–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1987</i>	<i>1990</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>2</sup></i>	<i>2000<sup>2</sup></i>
Deaths per 100,000 resident population										
All persons										
All ages, age adjusted . . . . .	5.6	10.2	16.2	16.3	11.7	6.1	4.9	5.6	5.4	5.3
All ages, crude . . . . .	5.6	10.1	16.2	16.4	11.7	6.2	5.0	5.7	5.4	5.3
Under 1 year . . . . .	2.3	2.7	2.5	1.5	1.1	*	*	*	*	*
1–4 years . . . . .	0.7	0.8	1.3	1.3	0.9	0.4	0.2	0.2	0.2	*
5–14 years . . . . .	0.1	0.2	0.5	0.5	0.5	0.3	0.1	0.1	0.2	0.1
15–24 years . . . . .	1.3	1.5	1.8	1.7	1.1	0.8	0.5	0.6	0.5	0.5
25–34 years . . . . .	11.7	19.7	29.3	29.1	19.9	10.1	7.5	8.6	7.2	6.5
35–44 years . . . . .	14.0	27.4	44.1	44.4	31.4	16.1	12.9	14.8	13.9	13.2
45–54 years . . . . .	8.0	15.2	25.6	26.3	19.3	10.4	9.0	10.3	10.9	11.1
55–64 years . . . . .	3.5	6.2	10.4	11.0	8.4	4.9	4.3	4.9	4.9	5.2
65–74 years . . . . .	1.3	2.0	3.1	3.6	2.7	1.8	1.6	1.8	2.2	2.2
75–84 years . . . . .	0.8	0.7	0.9	0.7	0.8	0.6	0.5	0.6	0.6	0.7
85 years and over . . . . .	*	*	*	*	*	*	*	*	*	*
Male										
All ages, age adjusted . . . . .	10.4	18.5	27.8	27.7	19.2	9.7	7.7	8.8	8.4	8.0
All ages, crude . . . . .	10.2	18.5	28.0	28.0	19.5	9.8	7.8	8.9	8.4	8.1
Under 1 year . . . . .	2.2	2.4	2.1	1.7	1.1	*	*	*	*	*
1–4 years . . . . .	0.7	0.8	1.2	1.2	0.9	0.3	*	*	*	*
5–14 years . . . . .	0.2	0.3	0.5	0.5	0.5	0.3	0.1	0.1	0.2	0.1
15–24 years . . . . .	2.2	2.2	2.3	2.1	1.3	0.8	0.5	0.6	0.5	0.5
25–34 years . . . . .	20.7	34.5	48.5	47.1	31.4	15.1	10.7	12.2	10.2	8.6
35–44 years . . . . .	26.3	50.2	76.2	75.9	51.8	25.5	20.1	23.0	21.1	19.9
45–54 years . . . . .	15.5	29.1	46.3	46.9	33.6	17.4	15.2	17.4	17.9	18.1
55–64 years . . . . .	6.8	12.0	19.1	19.9	14.9	8.5	7.3	8.4	8.5	8.9
65–74 years . . . . .	2.4	3.7	5.8	6.4	5.1	3.4	2.9	3.3	3.9	3.8
75–84 years . . . . .	1.2	1.1	1.4	1.3	1.5	1.0	0.9	1.0	1.0	1.3
85 years and over . . . . .	*	*	*	*	*	*	*	*	*	*
Female										
All ages, age adjusted . . . . .	1.1	2.2	4.9	5.3	4.3	2.7	2.3	2.6	2.6	2.6
All ages, crude . . . . .	1.1	2.2	4.9	5.3	4.3	2.7	2.3	2.6	2.6	2.6
Under 1 year . . . . .	2.5	3.0	2.9	1.2	*	*	*	*	*	*
1–4 years . . . . .	0.7	0.8	1.3	1.5	1.0	0.4	*	*	*	*
5–14 years . . . . .	*	0.2	0.5	0.5	0.4	0.2	0.2	0.2	0.2	0.1
15–24 years . . . . .	0.3	0.7	1.3	1.4	1.0	0.7	0.6	0.7	0.6	0.4
25–34 years . . . . .	2.8	4.9	10.1	11.1	8.5	5.1	4.4	5.0	4.3	4.4
35–44 years . . . . .	2.1	5.2	12.5	13.4	11.3	6.8	5.8	6.6	6.8	6.5
45–54 years . . . . .	0.8	1.9	5.8	6.7	5.7	3.8	3.1	3.5	4.2	4.5
55–64 years . . . . .	0.5	1.1	2.6	2.9	2.5	1.6	1.6	1.8	1.6	1.8
65–74 years . . . . .	0.5	0.8	1.0	1.4	0.8	0.5	0.6	0.7	0.8	0.8
75–84 years . . . . .	0.5	0.4	0.6	0.3	0.3	0.4	0.3	0.3	0.3	0.3
85 years and over . . . . .	*	*	*	*	*	*	*	*	*	*
All ages, age adjusted										
White male . . . . .	8.7	15.7	21.2	20.7	13.2	6.0	4.6	5.3	5.0	4.7
Black male . . . . .	26.2	46.3	87.2	90.4	71.5	41.7	34.0	38.9	37.1	35.9
American Indian or Alaska Native male . . . . .	*	3.3	9.5	11.6	7.1	3.8	4.0	4.6	5.0	4.3
Asian or Pacific Islander male . . . . .	2.5	4.3	7.0	6.3	4.5	1.7	1.4	1.6	1.5	1.2
Hispanic male <sup>3</sup> . . . . .	18.8	28.8	42.4	42.0	28.2	14.2	10.7	12.2	11.5	11.1
White, non-Hispanic male <sup>3</sup> . . . . .	10.7	14.1	18.7	18.0	11.3	4.9	3.8	4.4	4.1	3.8
White female . . . . .	0.6	1.1	2.3	2.5	1.9	1.0	0.8	0.9	1.0	1.0
Black female . . . . .	4.6	10.1	22.6	24.7	21.1	13.9	12.2	14.0	13.4	13.4
American Indian or Alaska Native female . . . . .	*	*	*	2.7	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	0.7	0.7	0.5	*	*	*	*	*
Hispanic female <sup>3</sup> . . . . .	2.1	3.8	8.1	9.0	6.5	3.5	2.8	3.2	3.1	3.0
White, non-Hispanic female <sup>3</sup> . . . . .	0.5	0.7	1.6	1.8	1.3	0.7	0.5	0.6	0.7	0.7

See footnotes at end of table.

**Table 43 (page 2 of 2). Death rates for human immunodeficiency virus (HIV) disease, according to sex, race, Hispanic origin, and age: United States, selected years 1987–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1987</i>	<i>1990</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>2</sup></i>	<i>2000<sup>2</sup></i>
Deaths per 100,000 resident population										
Age 25–44 years										
All persons . . . . .	12.7	23.2	36.7	36.9	25.9	13.2	10.4	11.9	10.8	10.2
White male . . . . .	19.2	35.0	48.4	46.9	29.6	13.2	9.9	11.3	10.1	9.1
Black male . . . . .	60.2	102.0	178.0	182.0	139.1	76.7	59.4	68.0	60.7	56.7
American Indian or Alaska Native male . . . . .	*	7.7	23.6	31.3	18.4	10.7	8.7	10.0	10.8	6.7
Asian or Pacific Islander male . . . . .	4.1	8.1	13.8	12.8	8.1	3.6	2.6	3.0	2.6	2.0
Hispanic male <sup>3</sup> . . . . .	36.8	59.3	78.0	78.9	50.5	24.9	18.9	21.6	19.1	16.8
White, non-Hispanic male <sup>3</sup> . . . . .	23.3	31.6	43.4	41.5	25.8	11.0	8.2	9.4	8.3	7.5
White female . . . . .	1.2	2.3	5.5	6.0	4.4	2.4	1.8	2.1	2.2	2.2
Black female . . . . .	11.6	23.6	49.8	54.5	46.6	29.3	26.1	29.9	27.2	27.4
American Indian or Alaska Native female . . . . .	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	1.5	1.2	*	*	*	*	*	*
Hispanic female <sup>3</sup> . . . . .	4.9	8.9	17.3	18.0	12.8	6.7	5.0	5.7	5.8	5.0
White, non-Hispanic female <sup>3</sup> . . . . .	1.0	1.5	3.9	4.2	3.1	1.7	1.3	1.5	1.6	1.6
Age 45–64 years										
All persons . . . . .	5.8	11.1	19.3	20.1	15.0	8.3	7.2	8.2	8.5	8.8
White male . . . . .	9.9	18.6	26.4	26.3	17.4	8.0	6.8	7.8	8.0	8.2
Black male . . . . .	27.3	53.0	127.1	136.6	114.1	71.8	63.5	72.7	74.2	74.7
American Indian or Alaska Native male . . . . .	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander male . . . . .	*	6.5	10.6	9.5	8.2	2.4	2.5	2.9	2.4	2.2
Hispanic male <sup>3</sup> . . . . .	25.8	37.9	69.2	67.1	48.8	24.7	18.5	21.2	21.4	23.5
White, non-Hispanic male <sup>3</sup> . . . . .	12.6	16.9	22.6	22.6	14.3	6.4	5.5	6.3	6.5	6.6
White female . . . . .	0.5	0.9	2.1	2.4	1.9	1.1	0.9	1.0	1.2	1.3
Black female . . . . .	2.6	7.5	24.1	27.2	24.4	17.6	15.5	17.7	18.8	19.6
American Indian or Alaska Native female . . . . .	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	*	*	*	*	*	*	*	*
Hispanic female <sup>3</sup> . . . . .	*	3.1	9.9	12.4	9.7	5.3	4.9	5.6	5.0	5.7
White, non-Hispanic female <sup>3</sup> . . . . .	0.5	0.7	1.4	1.5	1.2	0.7	0.5	0.6	0.8	0.9

\* Based on fewer than 20 deaths.

<sup>1</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>3</sup>Data shown only for States with an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. Categories for the coding and classification of human immunodeficiency virus (HIV) disease were introduced in the United States in 1987. See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1987–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1987–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 45 (page 1 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
All persons											
All ages, age adjusted . . . . .	24.6	23.1	27.6	22.3	18.5	16.5	16.3	16.1	15.7	15.5	15.7
All ages, crude . . . . .	23.1	21.3	26.9	23.5	18.8	16.5	16.2	16.1	15.7	15.5	15.7
Under 1 year . . . . .	8.4	8.1	9.8	7.0	4.9	4.7	4.3	4.3	4.2	4.8	4.4
1–14 years . . . . .	9.8	8.6	10.5	8.2	6.0	5.3	5.1	4.8	4.7	4.4	4.4
1–4 years . . . . .	11.5	10.0	11.5	9.2	6.3	5.2	5.0	5.0	4.9	4.3	4.3
5–14 years . . . . .	8.8	7.9	10.2	7.9	5.9	5.4	5.1	4.8	4.7	4.5	4.5
15–24 years . . . . .	34.4	38.0	47.2	44.8	34.1	29.5	27.9	26.9	26.2	26.8	27.5
15–19 years . . . . .	29.6	33.9	43.6	43.0	33.1	28.6	27.3	26.4	25.8	26.3	26.4
20–24 years . . . . .	38.8	42.9	51.3	46.6	35.0	30.4	28.5	27.5	26.8	27.4	28.7
25–34 years . . . . .	24.6	24.3	30.9	29.1	23.6	19.8	18.9	18.4	17.9	17.9	18.4
35–44 years . . . . .	20.3	19.3	24.9	20.9	16.9	15.4	15.2	15.6	15.2	15.0	15.4
45–64 years . . . . .	25.2	23.0	26.5	18.0	15.7	14.2	14.7	14.7	14.3	14.1	14.5
45–54 years . . . . .	22.2	21.4	25.5	18.6	15.6	13.9	14.3	14.4	14.0	13.9	14.4
55–64 years . . . . .	29.0	25.1	27.9	17.4	15.9	14.6	15.3	15.1	14.7	14.4	14.6
65 years and over . . . . .	43.1	34.7	36.2	22.5	23.1	22.7	23.6	23.7	23.1	22.5	21.6
65–74 years . . . . .	39.1	31.4	32.8	19.2	18.6	17.6	18.2	18.5	18.0	18.0	16.7
75–84 years . . . . .	52.7	41.8	43.5	28.1	29.1	28.6	29.0	28.9	28.2	26.7	25.8
85 years and over . . . . .	45.1	37.9	34.2	27.6	31.2	31.4	32.7	31.5	30.7	30.2	30.0
Male											
All ages, age adjusted . . . . .	38.5	35.4	41.5	33.6	26.5	23.1	22.4	22.4	21.8	21.8	22.2
All ages, crude . . . . .	35.4	31.8	39.7	35.3	26.7	22.7	22.0	22.0	21.5	21.4	21.9
Under 1 year . . . . .	9.1	8.6	9.3	7.3	5.0	4.9	4.3	4.6	4.5	5.0	4.6
1–14 years . . . . .	12.3	10.7	13.0	10.0	7.0	6.2	5.7	5.6	5.5	5.1	5.0
1–4 years . . . . .	13.0	11.5	12.9	10.2	6.9	5.6	5.3	5.4	5.3	4.7	4.8
5–14 years . . . . .	11.9	10.4	13.1	9.9	7.0	6.4	5.8	5.7	5.6	5.3	5.1
15–24 years . . . . .	56.7	61.2	73.2	68.4	49.5	41.4	38.1	37.3	36.4	36.9	38.3
15–19 years . . . . .	46.3	51.7	64.1	62.6	45.5	36.8	34.8	33.9	33.1	33.6	34.5
20–24 years . . . . .	66.7	73.2	84.4	74.3	53.3	46.1	41.7	41.2	40.2	40.5	42.4
25–34 years . . . . .	40.8	40.1	49.4	46.3	35.7	29.1	27.5	27.0	26.3	26.5	27.6
35–44 years . . . . .	32.5	29.9	37.7	31.7	24.7	21.9	21.2	21.7	21.2	21.3	22.1
45–64 years . . . . .	37.7	33.3	38.9	26.5	21.9	19.7	20.0	20.4	19.9	19.8	20.6
45–54 years . . . . .	33.6	31.6	37.2	27.6	22.0	19.6	19.9	20.3	19.8	19.8	20.8
55–64 years . . . . .	43.1	35.6	40.9	25.4	21.7	19.8	20.2	20.5	20.0	19.7	20.2
65 years and over . . . . .	66.6	52.1	54.4	33.9	32.1	30.8	31.9	32.1	31.3	31.3	29.4
65–74 years . . . . .	59.1	45.8	47.3	27.3	24.2	22.3	23.6	23.5	22.9	23.6	22.0
75–84 years . . . . .	85.0	66.0	68.2	44.3	41.2	39.7	39.7	39.7	38.7	37.5	35.0
85 years and over . . . . .	78.1	62.7	63.1	56.1	64.5	61.9	60.4	61.2	59.7	57.6	54.6
Female											
All ages, age adjusted . . . . .	11.5	11.7	14.9	11.8	11.0	10.4	10.6	10.3	10.0	9.8	9.7
All ages, crude . . . . .	10.9	11.0	14.7	12.3	11.3	10.6	10.8	10.5	10.2	9.9	9.9
Under 1 year . . . . .	7.6	7.5	10.4	6.7	4.9	4.4	4.4	4.0	3.9	4.7	4.1
1–14 years . . . . .	7.2	6.3	7.9	6.3	4.9	4.5	4.4	4.0	3.9	3.7	3.8
1–4 years . . . . .	10.0	8.4	10.0	8.1	5.6	4.8	4.7	4.6	4.5	3.8	3.8
5–14 years . . . . .	5.7	5.4	7.2	5.7	4.7	4.3	4.3	3.8	3.7	3.7	3.8
15–24 years . . . . .	12.6	15.1	21.6	20.8	17.9	17.1	17.1	16.1	15.7	16.3	16.3
15–19 years . . . . .	12.9	16.0	22.7	22.8	20.0	20.0	19.4	18.5	18.0	18.6	17.8
20–24 years . . . . .	12.2	14.0	20.4	18.9	16.0	14.1	14.6	13.3	13.0	13.7	14.6
25–34 years . . . . .	9.3	9.2	13.0	12.2	11.5	10.4	10.4	9.9	9.7	9.3	9.3
35–44 years . . . . .	8.5	9.1	12.9	10.4	9.2	9.0	9.2	9.7	9.5	8.9	8.8
45–64 years . . . . .	12.6	13.1	15.3	10.3	10.1	9.1	9.6	9.3	9.1	8.7	8.8
45–54 years . . . . .	10.9	11.6	14.5	10.2	9.6	8.5	8.9	8.8	8.6	8.2	8.3
55–64 years . . . . .	14.9	15.2	16.2	10.5	10.8	9.9	10.8	10.1	9.9	9.6	9.6
65 years and over . . . . .	21.9	20.3	23.1	15.0	17.2	17.2	17.8	17.8	17.4	16.4	16.0
65–74 years . . . . .	20.6	19.0	21.6	13.0	14.1	13.8	13.8	14.5	14.1	13.4	12.4
75–84 years . . . . .	25.2	23.0	27.2	18.5	21.9	21.5	22.0	21.8	21.3	19.5	19.5
85 years and over . . . . .	22.1	22.0	18.0	15.2	18.3	19.6	21.5	19.2	18.7	18.6	19.4
White male											
All ages, age adjusted . . . . .	37.9	34.8	40.4	33.8	26.3	22.9	22.2	22.2	21.7	21.8	22.2
All ages, crude . . . . .	35.1	31.5	39.1	35.9	26.7	22.6	21.9	21.9	21.4	21.5	22.0
Under 1 year . . . . .	9.1	8.8	9.1	7.0	4.8	4.3	3.7	4.6	4.5	5.0	4.1
1–14 years . . . . .	12.4	10.6	12.5	9.8	6.6	5.9	5.4	5.1	5.0	4.9	4.9
15–24 years . . . . .	58.3	62.7	75.2	73.8	52.5	43.2	39.8	39.4	38.4	38.6	40.3
25–34 years . . . . .	39.1	38.6	47.0	46.6	35.4	28.8	26.8	26.3	25.7	26.4	27.1
35–44 years . . . . .	30.9	28.4	35.2	30.7	23.7	21.1	20.7	21.2	20.7	20.9	21.9
45–64 years . . . . .	36.2	31.7	36.5	25.2	20.6	18.9	19.2	19.6	19.1	19.1	19.9
65 years and over . . . . .	67.1	52.1	54.2	32.7	31.4	30.2	31.8	31.9	31.1	31.3	29.3

See footnotes at end of table.

**Table 45 (page 2 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>Black male</b>											
All ages, age adjusted . . . . .	34.8	39.6	51.0	34.2	29.9	26.4	25.6	26.2	25.6	24.7	24.8
All ages, crude . . . . .	37.2	33.1	44.3	31.1	28.1	24.6	24.2	24.5	23.9	23.1	23.4
Under 1 year . . . . .	---	*	10.6	7.8	*	8.3	7.8	*	*	*	7.1
1–14 years <sup>4</sup> . . . . .	10.4	11.2	16.3	11.4	8.9	7.8	7.6	8.5	8.3	6.8	6.0
15–24 years . . . . .	42.5	46.4	58.1	34.9	36.1	34.3	32.7	30.3	29.6	30.7	30.2
25–34 years . . . . .	54.4	51.0	70.4	44.9	39.5	32.9	33.2	34.5	33.7	30.8	33.9
35–44 years . . . . .	46.7	43.6	59.5	41.2	33.5	28.9	27.0	26.9	26.2	26.5	27.4
45–64 years . . . . .	54.6	47.8	61.7	39.5	33.3	26.9	28.9	29.0	28.3	27.8	28.2
65 years and over . . . . .	52.6	48.2	53.4	42.4	36.3	36.3	32.3	36.0	35.1	32.3	30.7
<b>American Indian or Alaska Native male<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	78.9	48.3	43.8	43.5	41.1	40.1	42.6	42.1
All ages, crude . . . . .	---	---	---	74.6	47.6	43.8	42.2	39.9	38.9	40.5	41.5
1–14 years . . . . .	---	---	---	15.1	11.6	8.5	8.2	10.1	9.9	9.4	10.0
15–24 years . . . . .	---	---	---	126.1	75.2	76.6	67.6	60.4	58.9	69.1	69.7
25–34 years . . . . .	---	---	---	107.0	78.2	73.1	64.3	55.9	54.5	47.1	59.1
35–44 years . . . . .	---	---	---	82.8	57.0	50.4	54.7	51.3	50.0	47.2	46.1
45–64 years . . . . .	---	---	---	77.4	45.9	42.5	37.8	44.5	43.4	47.1	40.5
65 years and over . . . . .	---	---	---	97.0	43.0	*	50.1	36.2	35.3	51.1	46.7
<b>Asian or Pacific Islander male<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	19.0	17.9	15.7	13.2	12.1	11.8	10.5	11.4
All ages, crude . . . . .	---	---	---	17.1	15.8	13.1	11.4	10.8	10.5	9.4	10.3
1–14 years . . . . .	---	---	---	8.2	6.3	4.3	2.7	3.2	3.1	2.3	2.4
15–24 years . . . . .	---	---	---	27.2	25.7	20.6	15.7	16.3	15.9	16.8	19.6
25–34 years . . . . .	---	---	---	18.8	17.0	13.2	15.7	12.5	12.2	11.0	11.9
35–44 years . . . . .	---	---	---	13.1	12.2	10.4	8.5	9.3	9.1	7.7	7.0
45–64 years . . . . .	---	---	---	13.7	15.1	15.0	12.1	12.3	12.0	9.0	10.7
65 years and over . . . . .	---	---	---	37.3	33.6	34.4	31.0	22.9	22.3	21.7	22.2
<b>Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	29.5	25.3	22.1	22.2	21.7	21.9	23.1
All ages, crude . . . . .	---	---	---	---	29.2	23.5	20.8	20.8	20.3	21.2	22.4
1–14 years . . . . .	---	---	---	---	7.2	5.8	5.1	5.4	5.3	4.9	4.8
15–24 years . . . . .	---	---	---	---	48.2	42.4	35.3	36.0	35.1	37.9	42.3
25–34 years . . . . .	---	---	---	---	41.0	31.6	27.4	27.4	26.7	30.7	32.1
35–44 years . . . . .	---	---	---	---	28.0	23.8	22.9	21.5	21.0	21.9	22.8
45–64 years . . . . .	---	---	---	---	28.9	23.0	21.3	21.5	21.0	20.0	21.8
65 years and over . . . . .	---	---	---	---	35.3	35.1	28.6	31.3	30.5	27.3	25.5
<b>White, non-Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	25.7	22.2	21.9	21.9	21.4	21.3	21.6
All ages, crude . . . . .	---	---	---	---	26.0	22.0	21.7	21.7	21.2	21.2	21.6
1–14 years . . . . .	---	---	---	---	6.4	5.8	5.4	5.0	4.9	4.8	4.9
15–24 years . . . . .	---	---	---	---	52.3	42.3	40.1	39.4	38.4	38.0	39.2
25–34 years . . . . .	---	---	---	---	34.0	27.5	26.2	25.5	24.9	25.0	25.5
35–44 years . . . . .	---	---	---	---	23.1	20.3	20.0	20.8	20.3	20.4	21.4
45–64 years . . . . .	---	---	---	---	19.8	18.2	18.8	19.2	18.7	18.8	19.5
65 years and over . . . . .	---	---	---	---	31.1	29.6	31.7	31.8	31.0	31.3	29.4
<b>White female</b>											
All ages, age adjusted . . . . .	11.4	11.7	14.9	12.2	11.2	10.6	10.6	10.4	10.1	9.9	9.9
All ages, crude . . . . .	10.9	11.2	14.8	12.8	11.6	10.8	10.9	10.7	10.4	10.1	10.2
Under 1 year . . . . .	7.8	7.5	10.2	7.1	4.7	4.5	4.3	3.3	3.2	3.8	3.4
1–14 years . . . . .	7.2	6.2	7.5	6.2	4.8	4.3	4.1	3.9	3.8	3.6	3.7
15–24 years . . . . .	12.6	15.6	22.7	23.0	19.5	18.4	18.4	17.3	16.9	17.3	17.3
25–34 years . . . . .	9.0	9.0	12.7	12.2	11.6	10.4	10.3	10.0	9.8	9.4	9.3
35–44 years . . . . .	8.1	8.9	12.3	10.6	9.2	9.0	9.0	9.6	9.4	8.8	8.9
45–64 years . . . . .	12.7	13.1	15.1	10.4	9.9	8.9	9.4	9.1	8.9	8.6	8.8
65 years and over . . . . .	22.2	20.8	23.7	15.3	17.4	17.7	17.9	18.1	17.7	16.7	16.4

See footnotes at end of table.

**Table 45 (page 3 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>Black female</b>											
All ages, age adjusted . . . . .	9.3	10.4	14.1	8.5	9.6	9.1	10.2	9.7	9.5	9.2	8.6
All ages, crude . . . . .	10.2	9.7	13.4	8.3	9.4	9.0	9.9	9.3	9.1	9.0	8.5
Under 1 year . . . . .	---	8.1	11.9	*	7.0	*	*	9.4	9.2	9.3	*
1–14 years <sup>4</sup> . . . . .	7.2	6.9	10.2	6.3	5.3	5.1	5.6	4.8	4.7	4.8	4.2
15–24 years . . . . .	11.6	9.9	13.4	8.0	9.9	10.7	11.3	10.3	10.0	12.1	12.0
25–34 years . . . . .	10.8	9.8	13.3	10.6	11.1	10.5	11.2	8.9	8.7	8.9	9.8
35–44 years . . . . .	11.1	11.0	16.1	8.3	9.4	9.8	10.2	11.1	10.8	9.7	8.3
45–64 years . . . . .	11.8	12.7	16.7	9.2	10.7	9.4	11.0	10.6	10.3	9.0	9.0
65 years and over . . . . .	14.3	13.2	15.7	9.5	13.5	11.5	14.2	13.8	13.5	13.0	10.5
<b>American Indian or Alaska Native female<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	32.0	17.5	19.7	22.4	23.0	22.4	21.4	23.0
All ages, crude . . . . .	---	---	---	32.0	17.3	20.4	20.9	22.3	21.8	20.6	22.7
1–14 years . . . . .	---	---	---	15.0	8.1	9.1	10.0	9.4	9.2	*	8.4
15–24 years . . . . .	---	---	---	42.3	31.4	32.7	24.5	30.4	29.7	28.6	35.1
25–34 years . . . . .	---	---	---	52.5	18.8	36.7	27.6	33.4	32.6	32.8	26.7
35–44 years . . . . .	---	---	---	38.1	18.2	19.4	21.5	21.7	21.2	27.1	28.7
45–64 years . . . . .	---	---	---	32.6	17.6	17.1	22.5	24.1	23.5	17.5	22.0
65 years and over . . . . .	---	---	---	*	*	*	35.7	27.7	27.0	28.0	22.9
<b>Asian or Pacific Islander female<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	9.3	10.4	9.1	8.8	7.2	7.0	7.3	6.9
All ages, crude . . . . .	---	---	---	8.2	9.0	8.0	8.0	6.6	6.4	6.6	6.1
1–14 years . . . . .	---	---	---	7.4	3.6	3.0	3.2	2.4	2.3	1.9	2.1
15–24 years . . . . .	---	---	---	7.4	11.4	12.4	11.5	9.4	9.2	8.7	6.7
25–34 years . . . . .	---	---	---	7.3	7.3	5.1	6.1	6.1	5.9	4.8	4.9
35–44 years . . . . .	---	---	---	8.6	7.5	6.2	6.9	4.6	4.5	4.6	5.0
45–64 years . . . . .	---	---	---	8.5	11.8	10.8	8.6	7.5	7.3	10.0	6.8
65 years and over . . . . .	---	---	---	18.6	24.3	19.7	20.7	16.7	16.3	15.1	19.0
<b>Hispanic female<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	9.6	8.9	8.9	8.3	8.1	8.1	8.1
All ages, crude . . . . .	---	---	---	---	8.9	8.3	8.3	7.8	7.6	7.6	7.7
1–14 years . . . . .	---	---	---	---	4.8	4.4	3.9	3.8	3.7	3.8	4.2
15–24 years . . . . .	---	---	---	---	11.6	12.8	13.1	11.4	11.1	11.7	11.8
25–34 years . . . . .	---	---	---	---	9.4	7.7	8.3	8.5	8.3	8.2	7.6
35–44 years . . . . .	---	---	---	---	8.0	8.1	8.1	7.4	7.2	6.6	7.5
45–64 years . . . . .	---	---	---	---	11.4	9.2	9.0	9.6	9.4	8.5	8.2
65 years and over . . . . .	---	---	---	---	14.9	13.9	14.1	11.2	10.9	12.9	12.0

See footnotes at end of table.

**Table 45 (page 4 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
White, non-Hispanic female <sup>7</sup>	Deaths per 100,000 resident population										
All ages, age adjusted . . . . .	---	---	---	---	11.3	10.6	10.7	10.6	10.3	10.0	10.0
All ages, crude . . . . .	---	---	---	---	11.7	10.9	11.1	11.0	10.7	10.4	10.4
1–14 years . . . . .	---	---	---	---	4.7	4.2	4.1	3.8	3.7	3.5	3.5
15–24 years . . . . .	---	---	---	---	20.4	19.0	19.2	18.3	17.8	18.2	18.1
25–34 years . . . . .	---	---	---	---	11.7	10.6	10.4	10.1	9.9	9.5	9.4
35–44 years . . . . .	---	---	---	---	9.3	8.9	9.0	9.8	9.6	9.0	9.0
45–64 years . . . . .	---	---	---	---	9.7	8.7	9.4	9.0	8.8	8.5	8.7
65 years and over . . . . .	---	---	---	---	17.5	17.7	18.0	18.4	17.9	16.8	16.6

--- Data not available.

\* Based on fewer than 20 deaths.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group under 15 years.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases (ICD)*. See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). For additional injury-related statistics, see [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars), a Web-based interactive database for injury data. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.



**Table 46 (page 1 of 3). Death rates for homicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
All persons											
All ages, age adjusted . . . . .	5.1	5.0	8.8	10.4	9.4	8.4	7.2	6.5	6.5	6.2	6.1
All ages, crude . . . . .	5.0	4.6	8.1	10.6	9.9	8.6	7.3	6.6	6.6	6.2	6.1
Under 1 year . . . . .	4.4	4.8	4.3	5.9	8.4	8.1	8.3	8.5	8.5	8.7	9.1
1–14 years . . . . .	0.6	0.6	1.1	1.5	1.8	1.9	1.5	1.6	1.6	1.5	1.3
1–4 years . . . . .	0.6	0.7	1.9	2.5	2.5	2.9	2.4	2.6	2.6	2.5	2.3
5–14 years . . . . .	0.5	0.5	0.9	1.2	1.5	1.5	1.2	1.2	1.2	1.1	0.9
15–24 years . . . . .	5.8	5.6	11.3	15.4	19.7	20.0	16.6	14.6	14.6	13.2	12.9
15–19 years . . . . .	3.9	3.9	7.7	10.5	16.9	18.1	13.6	11.7	11.7	10.6	9.6
20–24 years . . . . .	8.5	7.7	15.6	20.2	22.2	22.0	19.9	17.8	17.8	16.1	16.4
25–44 years . . . . .	8.9	8.5	14.9	17.5	14.7	12.1	10.2	9.5	9.5	9.0	9.0
25–34 years . . . . .	9.3	9.2	16.2	19.3	17.4	14.8	12.5	11.5	11.5	11.2	11.1
35–44 years . . . . .	8.4	7.8	13.5	14.9	11.6	9.5	8.1	7.7	7.7	7.2	7.2
45–64 years . . . . .	5.0	5.3	8.7	9.0	6.3	5.4	4.8	4.3	4.3	4.0	4.1
45–54 years . . . . .	5.9	6.1	10.0	11.0	7.5	6.1	5.4	4.9	4.9	4.7	4.7
55–64 years . . . . .	3.9	4.1	7.1	7.0	5.0	4.5	3.8	3.3	3.3	3.1	3.1
65 years and over . . . . .	3.0	2.7	4.6	5.5	4.0	3.2	3.0	2.6	2.6	2.5	2.4
65–74 years . . . . .	3.2	2.8	4.9	5.7	3.8	3.2	2.9	2.5	2.5	2.6	2.4
75–84 years . . . . .	2.5	2.3	4.0	5.2	4.3	3.1	2.8	2.7	2.7	2.5	2.4
85 years and over . . . . .	2.3	2.4	4.2	5.3	4.6	3.3	3.8	2.4	2.4	2.4	2.3
Male											
All ages, age adjusted . . . . .	7.9	7.5	14.3	16.6	14.8	13.1	11.2	10.0	10.0	9.4	9.3
All ages, crude . . . . .	7.7	6.8	13.1	17.1	15.9	13.6	11.5	10.3	10.3	9.6	9.5
Under 1 year . . . . .	4.5	4.7	4.5	6.3	8.8	8.9	9.4	8.9	8.9	9.6	10.3
1–14 years . . . . .	0.6	0.6	1.2	1.6	2.0	2.3	1.8	1.7	1.7	1.6	1.5
1–4 years . . . . .	0.5	0.7	1.9	2.7	2.7	3.1	2.7	2.9	2.9	2.5	2.6
5–14 years . . . . .	0.6	0.5	1.0	1.2	1.7	1.9	1.5	1.3	1.3	1.2	1.1
15–24 years . . . . .	8.6	8.4	18.2	24.0	32.5	33.5	27.9	24.4	24.4	21.7	21.4
15–19 years . . . . .	5.5	5.7	12.1	15.9	27.8	29.6	22.6	19.4	19.4	17.2	15.8
20–24 years . . . . .	13.5	11.8	25.6	32.2	36.9	37.4	33.6	30.0	29.9	26.6	27.5
25–44 years . . . . .	13.8	12.8	24.4	28.9	23.5	18.6	15.8	14.5	14.5	13.8	13.9
25–34 years . . . . .	14.4	13.9	26.8	31.9	27.7	23.2	20.0	18.1	18.1	17.8	18.1
35–44 years . . . . .	13.2	11.7	21.7	24.5	18.6	14.1	12.0	11.2	11.2	10.4	10.4
45–64 years . . . . .	8.1	8.1	14.8	15.2	10.2	8.5	7.4	6.6	6.6	6.2	6.2
45–54 years . . . . .	9.5	9.4	16.8	18.4	11.9	9.4	8.3	7.5	7.5	7.0	7.1
55–64 years . . . . .	6.3	6.4	12.1	11.8	8.0	7.1	5.9	5.3	5.3	4.9	4.7
65 years and over . . . . .	4.8	4.3	7.7	8.8	5.8	4.3	4.2	3.5	3.5	3.5	3.3
65–74 years . . . . .	5.2	4.6	8.5	9.2	5.8	4.6	4.2	3.6	3.6	3.7	3.4
75–84 years . . . . .	3.9	3.7	5.9	8.1	5.7	3.7	3.8	3.5	3.5	3.3	3.1
85 years and over . . . . .	2.5	3.6	7.4	7.5	6.7	4.1	5.9	3.1	3.1	3.3	3.1
Female											
All ages, age adjusted . . . . .	2.4	2.6	3.7	4.4	4.0	3.8	3.2	3.1	3.1	2.9	2.8
All ages, crude . . . . .	2.4	2.4	3.4	4.5	4.2	3.8	3.2	3.1	3.1	2.9	2.8
Under 1 year . . . . .	4.2	4.9	4.1	5.6	8.0	7.2	7.3	8.1	8.1	7.7	7.8
1–14 years . . . . .	0.6	0.5	1.0	1.4	1.6	1.5	1.2	1.4	1.4	1.4	1.1
1–4 years . . . . .	0.7	0.7	1.9	2.2	2.3	2.6	2.2	2.4	2.4	2.5	2.1
5–14 years . . . . .	0.5	0.4	0.7	1.1	1.2	1.0	0.9	1.1	1.1	0.9	0.7
15–24 years . . . . .	3.0	2.8	4.6	6.6	6.2	6.0	4.7	4.3	4.3	4.4	3.9
15–19 years . . . . .	2.4	1.9	3.2	4.9	5.4	5.9	4.1	3.6	3.6	3.6	3.1
20–24 years . . . . .	3.7	3.8	6.2	8.2	7.0	6.2	5.4	5.1	5.1	5.2	4.8
25–44 years . . . . .	4.2	4.3	5.8	6.4	6.0	5.7	4.6	4.6	4.6	4.3	4.1
25–34 years . . . . .	4.5	4.6	6.0	6.9	7.1	6.5	5.1	4.9	4.9	4.6	4.3
35–44 years . . . . .	3.8	4.0	5.7	5.7	4.8	4.9	4.3	4.3	4.3	4.0	4.0
45–64 years . . . . .	1.9	2.5	3.1	3.4	2.8	2.6	2.4	2.1	2.1	2.0	2.1
45–54 years . . . . .	2.3	2.9	3.7	4.1	3.2	2.9	2.7	2.4	2.4	2.4	2.5
55–64 years . . . . .	1.4	2.0	2.5	2.8	2.3	2.1	1.9	1.6	1.6	1.5	1.6
65 years and over . . . . .	1.4	1.3	2.3	3.3	2.8	2.4	2.2	1.9	1.9	1.8	1.8
65–74 years . . . . .	1.3	1.3	2.2	3.0	2.2	2.1	1.9	1.6	1.6	1.7	1.6
75–84 years . . . . .	1.4	1.3	2.7	3.5	3.4	2.7	2.2	2.1	2.1	2.0	2.0
85 years and over . . . . .	2.1	1.6	2.5	4.3	3.8	2.9	3.0	2.2	2.2	2.0	2.0
White male											
All ages, age adjusted . . . . .	3.8	3.9	7.2	10.4	8.3	7.4	6.4	5.8	5.8	5.5	5.3
All ages, crude . . . . .	3.6	3.6	6.6	10.7	8.8	7.6	6.5	5.9	5.9	5.6	5.3
Under 1 year . . . . .	4.3	3.8	2.9	4.3	6.4	7.1	7.8	6.7	6.7	7.8	8.1
1–14 years . . . . .	0.4	0.5	0.7	1.2	1.3	1.5	1.3	1.1	1.1	1.2	1.2
15–24 years . . . . .	3.2	5.0	7.6	15.1	15.2	16.2	12.9	12.0	12.0	10.5	10.1
25–44 years . . . . .	5.4	5.5	11.6	17.2	13.0	10.6	9.1	8.3	8.3	7.9	7.6
25–34 years . . . . .	4.9	5.7	12.5	18.5	14.7	12.5	11.0	9.7	9.7	9.5	9.0
35–44 years . . . . .	6.1	5.2	10.8	15.2	11.1	8.8	7.4	7.1	7.1	6.7	6.5
45–64 years . . . . .	4.8	4.6	8.3	9.8	6.9	5.6	5.2	4.5	4.5	4.4	4.2
65 years and over . . . . .	3.8	3.1	5.4	6.7	4.1	2.9	3.3	2.8	2.8	2.8	2.5

See footnotes at end of table.

**Table 46 (page 2 of 3). Death rates for homicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Deaths per 100,000 resident population											
<b>Black male</b>											
All ages, age adjusted . . . . .	47.0	42.3	78.2	69.4	63.1	51.8	43.1	38.4	38.3	34.9	36.1
All ages, crude . . . . .	44.7	35.0	66.0	65.7	68.5	55.7	46.5	41.3	41.2	37.5	38.6
Under 1 year . . . . .	---	10.3	14.3	18.6	21.4	19.4	18.1	21.8	21.8	20.8	24.6
1–14 years <sup>4</sup> . . . . .	1.8	1.5	4.4	4.1	5.8	6.1	4.7	4.9	4.9	3.9	3.4
15–24 years . . . . .	53.8	43.2	98.3	82.6	137.1	130.8	112.5	95.0	94.8	85.1	85.3
25–44 years . . . . .	92.8	80.5	140.2	130.0	105.4	76.9	63.6	57.8	57.7	54.2	57.1
25–34 years . . . . .	104.3	86.4	154.5	142.9	123.7	97.2	81.3	73.5	73.4	71.8	76.9
35–44 years . . . . .	80.0	74.4	124.0	109.3	81.2	55.2	46.0	42.5	42.4	37.5	38.8
45–64 years . . . . .	46.0	44.6	82.3	70.6	41.4	34.3	27.0	25.3	25.3	21.4	22.9
65 years and over . . . . .	16.5	17.3	33.3	30.9	25.7	19.9	14.3	11.6	11.6	11.5	12.3
<b>American Indian or Alaska Native male<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	23.3	16.7	15.8	15.4	13.4	13.4	15.4	12.7
All ages, crude . . . . .	---	---	---	23.1	16.6	17.1	16.0	13.9	13.9	15.1	13.2
15–24 years . . . . .	---	---	---	35.4	25.1	31.2	26.7	21.4	21.4	20.9	20.8
25–44 years . . . . .	---	---	---	39.2	25.7	27.0	23.6	21.0	21.0	21.7	20.9
45–64 years . . . . .	---	---	---	22.1	14.8	13.2	12.8	13.9	13.9	17.1	*
<b>Asian or Pacific Islander male<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	9.1	7.3	7.7	6.2	5.1	5.1	4.3	4.7
All ages, crude . . . . .	---	---	---	8.3	7.9	7.8	6.3	5.2	5.2	4.4	4.7
15–24 years . . . . .	---	---	---	9.3	14.9	19.1	13.3	9.4	9.4	8.9	9.0
25–44 years . . . . .	---	---	---	11.3	9.6	7.8	7.2	6.4	6.4	5.3	5.0
45–64 years . . . . .	---	---	---	10.4	7.0	8.1	6.4	4.7	4.7	4.5	6.4
<b>Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	27.4	22.0	16.3	14.5	14.5	13.8	13.6
All ages, crude . . . . .	---	---	---	---	31.0	24.7	18.2	16.4	16.4	15.2	14.9
Under 1 year . . . . .	---	---	---	---	8.7	5.9	8.2	8.7	8.7	7.1	6.9
1–14 years . . . . .	---	---	---	---	3.1	3.3	1.8	1.7	1.7	1.9	1.9
15–24 years . . . . .	---	---	---	---	55.4	62.6	42.0	40.6	40.5	34.9	34.7
25–44 years . . . . .	---	---	---	---	46.4	30.8	23.4	20.8	20.8	20.6	20.2
25–34 years . . . . .	---	---	---	---	50.9	36.2	27.9	26.2	26.2	25.9	25.7
35–44 years . . . . .	---	---	---	---	39.3	23.4	17.8	14.5	14.5	14.6	14.2
45–64 years . . . . .	---	---	---	---	20.5	14.7	11.3	8.9	8.9	9.4	9.2
65 years and over . . . . .	---	---	---	---	9.4	5.5	6.4	4.9	4.9	4.6	3.9
<b>White, non-Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	5.6	4.8	4.6	4.1	4.1	3.9	3.6
All ages, crude . . . . .	---	---	---	---	5.8	4.9	4.6	4.2	4.2	3.9	3.6
Under 1 year . . . . .	---	---	---	---	5.4	6.7	7.4	6.1	6.1	7.8	8.0
1–14 years . . . . .	---	---	---	---	0.9	1.1	1.1	1.0	1.0	1.0	1.0
15–24 years . . . . .	---	---	---	---	7.5	7.1	6.4	5.8	5.8	5.0	4.5
25–44 years . . . . .	---	---	---	---	8.7	7.3	6.5	6.0	6.0	5.6	5.3
25–34 years . . . . .	---	---	---	---	9.3	7.9	7.3	6.1	6.1	5.9	5.4
35–44 years . . . . .	---	---	---	---	8.0	6.7	5.9	5.9	5.9	5.4	5.2
45–64 years . . . . .	---	---	---	---	5.7	4.6	4.5	4.1	4.1	3.8	3.6
65 years and over . . . . .	---	---	---	---	3.7	2.6	3.1	2.6	2.6	2.7	2.3
<b>White female</b>											
All ages, age adjusted . . . . .	1.4	1.5	2.3	3.2	2.7	2.7	2.3	2.2	2.2	2.2	2.1
All ages, crude . . . . .	1.4	1.4	2.1	3.2	2.8	2.7	2.3	2.2	2.2	2.2	2.1
Under 1 year . . . . .	3.9	3.5	2.9	4.3	5.1	5.0	4.6	5.9	5.9	5.3	4.9
1–14 years . . . . .	0.4	0.4	0.7	1.1	1.0	1.1	0.9	1.0	1.0	1.0	0.8
15–24 years . . . . .	1.3	1.5	2.7	4.7	4.0	4.0	3.1	2.8	2.8	3.0	2.7
25–44 years . . . . .	2.0	2.1	3.3	4.2	3.8	3.8	3.1	3.2	3.2	3.0	2.9
45–64 years . . . . .	1.5	1.7	2.1	2.6	2.3	2.2	1.9	1.7	1.7	1.6	1.8
65 years and over . . . . .	1.2	1.2	1.9	2.9	2.2	2.0	1.9	1.7	1.7	1.6	1.7
<b>Black female</b>											
All ages, age adjusted . . . . .	11.1	11.4	14.7	13.2	12.5	10.6	8.9	8.2	8.2	7.5	7.2
All ages, crude . . . . .	11.5	10.4	13.2	13.5	13.4	11.1	9.3	8.5	8.5	7.8	7.5
Under 1 year . . . . .	---	13.8	10.7	12.8	22.8	19.2	21.6	22.1	22.1	20.7	23.4
1–14 years <sup>4</sup> . . . . .	1.8	1.2	3.1	3.3	4.7	3.6	3.0	3.4	3.4	3.2	2.9
15–24 years . . . . .	16.5	11.9	17.7	18.4	18.9	16.7	13.3	12.6	12.6	11.5	11.0
25–44 years . . . . .	22.5	22.7	25.3	22.6	21.0	17.4	14.3	13.0	13.0	11.9	11.2
45–64 years . . . . .	6.8	10.3	13.4	10.8	6.5	5.9	6.1	5.0	5.0	4.7	4.5
65 years and over . . . . .	3.6	3.0	7.4	8.0	9.4	6.8	4.6	4.0	4.0	3.4	3.5

See footnotes at end of table.

**Table 46 (page 3 of 3). Death rates for homicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Deaths per 100,000 resident population											
American Indian or Alaska Native female <sup>5</sup>											
All ages, age adjusted . . . . .	---	---	---	8.1	4.6	5.6	5.4	4.8	4.8	5.9	3.7
All ages, crude . . . . .	---	---	---	7.7	4.8	5.6	5.3	4.9	4.9	6.1	3.6
15–24 years . . . . .	---	---	---	*	*	*	*	*	*	*	*
25–44 years . . . . .	---	---	---	13.7	6.9	9.1	7.3	10.2	10.2	10.2	7.4
45–64 years . . . . .	---	---	---	*	*	*	*	*	*	*	*
Asian or Pacific Islander female <sup>6</sup>											
All ages, age adjusted . . . . .	---	---	---	3.1	2.8	2.5	2.1	2.0	2.0	2.3	1.8
All ages, crude . . . . .	---	---	---	3.1	2.8	2.7	2.2	2.0	2.0	2.3	1.8
15–24 years . . . . .	---	---	---	*	*	3.7	2.8	*	*	2.8	*
25–44 years . . . . .	---	---	---	4.6	3.8	3.8	2.3	2.3	2.3	2.8	2.3
45–64 years . . . . .	---	---	---	*	*	2.3	2.5	2.2	2.2	2.2	2.1
Hispanic female <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	4.3	4.2	3.0	2.8	2.8	2.8	3.0
All ages, crude . . . . .	---	---	---	---	4.7	4.3	3.1	2.9	2.9	3.0	3.0
Under 1 year . . . . .	---	---	---	---	*	*	*	*	*	7.6	7.7
1–14 years . . . . .	---	---	---	---	1.9	1.8	1.2	1.2	1.2	1.3	1.1
15–24 years . . . . .	---	---	---	---	8.1	6.9	4.7	4.2	4.2	4.9	4.1
25–44 years . . . . .	---	---	---	---	6.1	5.8	4.5	4.2	4.2	3.7	4.0
45–64 years . . . . .	---	---	---	---	3.3	3.4	2.5	2.0	2.0	2.5	2.9
65 years and over . . . . .	---	---	---	---	*	2.3	*	*	*	*	2.1
White, non-Hispanic female <sup>7</sup>											
All ages, age adjusted . . . . .	---	---	---	---	2.5	2.3	2.1	2.1	2.1	2.0	1.9
All ages, crude . . . . .	---	---	---	---	2.5	2.4	2.1	2.1	2.1	2.0	1.9
Under 1 year . . . . .	---	---	---	---	4.4	4.4	3.9	5.8	5.8	4.2	3.9
1–14 years . . . . .	---	---	---	---	0.8	0.9	0.8	1.0	1.0	0.9	0.8
15–24 years . . . . .	---	---	---	---	3.3	3.4	2.8	2.5	2.5	2.6	2.3
25–44 years . . . . .	---	---	---	---	3.5	3.3	2.9	3.0	3.0	2.8	2.7
45–64 years . . . . .	---	---	---	---	2.2	1.9	1.8	1.6	1.6	1.5	1.7
65 years and over . . . . .	---	---	---	---	2.2	1.9	2.0	1.6	1.6	1.7	1.6

--- Data not available.

\* Based on fewer than 20 deaths.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group under 15 years.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases (ICD)*. See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). For additional injury-related statistics, see [www.cdc.gov/nipc/wisqars](http://www.cdc.gov/nipc/wisqars), a Web-based interactive database for injury data. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 47 (page 1 of 3). Death rates for suicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
All persons											
All ages, age adjusted . . . . .	13.2	12.5	13.1	12.2	12.5	12.0	11.4	11.3	11.3	10.7	10.6
All ages, crude . . . . .	11.4	10.6	11.6	11.9	12.4	11.9	11.4	11.3	11.3	10.7	10.7
Under 1 year . . . . .	...	...	...	...	...	...	...	...	...	...	...
1–4 years . . . . .	...	...	...	...	...	...	...	...	...	...	...
5–14 years . . . . .	0.2	0.3	0.3	0.4	0.8	0.9	0.8	0.8	0.8	0.6	0.8
15–24 years . . . . .	4.5	5.2	8.8	12.3	13.2	13.3	11.4	11.1	11.1	10.3	10.4
15–19 years . . . . .	2.7	3.6	5.9	8.5	11.1	10.5	9.5	8.9	8.9	8.2	8.2
20–24 years . . . . .	6.2	7.1	12.2	16.1	15.1	16.2	13.6	13.6	13.5	12.7	12.8
25–44 years . . . . .	11.6	12.2	15.4	15.6	15.2	15.3	14.8	14.6	14.5	14.0	13.8
25–34 years . . . . .	9.1	10.0	14.1	16.0	15.2	15.4	14.3	13.8	13.7	13.5	12.8
35–44 years . . . . .	14.3	14.2	16.9	15.4	15.3	15.2	15.3	15.4	15.3	14.4	14.6
45–64 years . . . . .	23.5	22.0	20.6	15.9	15.3	14.1	14.2	14.1	14.0	13.5	13.7
45–54 years . . . . .	20.9	20.7	20.0	15.9	14.8	14.6	14.7	14.8	14.7	14.2	14.6
55–64 years . . . . .	26.8	23.7	21.4	15.9	16.0	13.3	13.5	13.1	13.1	12.4	12.3
65 years and over . . . . .	30.0	24.5	20.8	17.6	20.5	18.1	16.8	16.9	16.8	15.9	15.3
65–74 years . . . . .	29.6	23.0	20.8	16.9	17.9	15.8	14.4	14.1	14.0	13.6	12.6
75–84 years . . . . .	31.1	27.9	21.2	19.1	24.9	20.7	19.3	19.7	19.6	18.3	17.7
85 years and over . . . . .	28.8	26.0	19.0	19.2	22.2	21.6	20.8	21.0	20.9	19.2	19.4
Male											
All ages, age adjusted . . . . .	21.2	20.0	19.8	19.9	21.5	20.6	19.4	19.2	19.1	18.2	18.1
All ages, crude . . . . .	17.8	16.5	16.8	18.6	20.4	19.8	18.7	18.6	18.5	17.6	17.5
Under 1 year . . . . .	...	...	...	...	...	...	...	...	...	...	...
1–4 years . . . . .	...	...	...	...	...	...	...	...	...	...	...
5–14 years . . . . .	0.3	0.4	0.5	0.6	1.1	1.3	1.2	1.2	1.2	1.0	1.2
15–24 years . . . . .	6.5	8.2	13.5	20.2	22.0	22.5	18.9	18.5	18.4	17.2	17.4
15–19 years . . . . .	3.5	5.6	8.8	13.8	18.1	17.4	15.2	14.6	14.5	13.3	13.2
20–24 years . . . . .	9.3	11.5	19.3	26.8	25.7	27.7	23.0	23.0	22.9	21.6	22.0
25–44 years . . . . .	17.2	17.9	20.9	24.0	24.4	24.9	23.8	23.5	23.4	22.4	22.1
25–34 years . . . . .	13.4	14.7	19.8	25.0	24.8	25.6	23.6	22.9	22.8	22.3	21.2
35–44 years . . . . .	21.3	21.0	22.1	22.5	23.9	24.1	23.9	24.0	23.9	22.6	22.9
45–64 years . . . . .	37.1	34.4	30.0	23.7	24.3	22.5	22.5	22.4	22.3	21.3	21.7
45–54 years . . . . .	32.0	31.6	27.9	22.9	23.2	22.8	22.5	23.1	23.0	22.0	22.8
55–64 years . . . . .	43.6	38.1	32.7	24.5	25.7	22.0	22.4	21.3	21.2	20.2	19.8
65 years and over . . . . .	52.8	44.0	38.4	35.0	41.6	36.3	33.9	34.1	34.0	32.1	31.0
65–74 years . . . . .	50.5	39.6	36.0	30.4	32.2	28.7	26.4	26.2	26.1	25.0	23.0
75–84 years . . . . .	58.3	52.5	42.8	42.3	56.1	44.8	40.9	42.0	41.8	38.3	38.0
85 years and over . . . . .	58.3	57.4	42.4	50.6	65.9	63.1	60.3	57.8	57.6	54.9	54.5
Female											
All ages, age adjusted . . . . .	5.6	5.6	7.4	5.7	4.8	4.4	4.4	4.3	4.3	4.1	4.0
All ages, crude . . . . .	5.1	4.9	6.6	5.5	4.8	4.4	4.4	4.4	4.4	4.1	4.1
Under 1 year . . . . .	...	...	...	...	...	...	...	...	...	...	...
1–4 years . . . . .	...	...	...	...	...	...	...	...	...	...	...
5–14 years . . . . .	0.1	0.1	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.3	0.3
15–24 years . . . . .	2.6	2.2	4.2	4.3	3.9	3.7	3.5	3.3	3.3	3.1	3.0
15–19 years . . . . .	1.8	1.6	2.9	3.0	3.7	3.1	3.4	2.9	2.9	2.8	2.8
20–24 years . . . . .	3.3	2.9	5.7	5.5	4.1	4.3	3.7	3.8	3.8	3.5	3.3
25–44 years . . . . .	6.2	6.6	10.2	7.7	6.2	5.8	6.0	6.0	6.0	5.7	5.6
25–34 years . . . . .	4.9	5.5	8.6	7.1	5.6	5.2	5.0	4.9	4.9	4.8	4.5
35–44 years . . . . .	7.5	7.7	11.9	8.5	6.8	6.5	6.8	6.9	6.9	6.4	6.4
45–64 years . . . . .	9.9	10.2	12.0	8.9	7.1	6.1	6.5	6.4	6.4	6.1	6.2
45–54 years . . . . .	9.9	10.2	12.6	9.4	6.9	6.7	7.3	7.0	7.0	6.7	6.8
55–64 years . . . . .	9.9	10.2	11.4	8.4	7.3	5.3	5.4	5.5	5.5	5.2	5.4
65 years and over . . . . .	9.4	8.4	8.1	6.1	6.4	5.5	4.9	4.7	4.7	4.4	4.1
65–74 years . . . . .	10.1	8.4	9.0	6.5	6.7	5.4	4.7	4.3	4.3	4.2	4.1
75–84 years . . . . .	8.1	8.9	7.0	5.5	6.3	5.5	5.2	4.9	4.9	4.8	4.0
85 years and over . . . . .	8.2	6.0	5.9	5.5	5.4	5.5	4.9	5.8	5.8	4.1	4.3
White male											
All ages, age adjusted . . . . .	22.3	21.1	20.8	20.9	22.8	21.9	20.6	20.6	20.5	19.4	19.4
All ages, crude . . . . .	19.0	17.6	18.0	19.9	22.0	21.4	20.2	20.3	20.2	19.1	19.1
15–24 years . . . . .	6.6	8.6	13.9	21.4	23.2	23.5	19.5	19.3	19.2	17.8	18.2
25–44 years . . . . .	17.9	18.5	21.5	24.6	25.4	26.3	25.3	25.2	25.1	24.0	23.8
45–64 years . . . . .	39.3	36.5	31.9	25.0	26.0	24.2	24.2	24.2	24.1	23.0	23.5
65 years and over . . . . .	55.8	46.7	41.1	37.2	44.2	38.7	36.1	36.6	36.5	34.5	33.2
65–74 years . . . . .	53.2	42.0	38.7	32.5	34.2	30.3	28.0	27.9	27.8	26.8	24.7
75–84 years . . . . .	61.9	55.7	45.5	45.5	60.2	47.5	43.4	44.7	44.5	40.8	40.4
85 years and over . . . . .	61.9	61.3	45.8	52.8	70.3	68.2	65.0	62.7	62.5	59.6	58.8

See footnotes at end of table.

**Table 47 (page 2 of 3). Death rates for suicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1950<sup>1</sup></i>	<i>1960<sup>1</sup></i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>2</sup></i>	<i>1999<sup>3</sup></i>	<i>2000<sup>3</sup></i>
Deaths per 100,000 resident population											
<b>Black male</b>											
All ages, age adjusted . . . . .	7.5	8.4	10.0	11.4	12.8	12.5	11.4	10.6	10.6	10.4	10.2
All ages, crude . . . . .	6.3	6.4	8.0	10.3	12.0	11.9	10.9	10.2	10.2	10.0	9.8
15–24 years . . . . .	4.9	4.1	10.5	12.3	15.1	18.0	16.0	15.0	14.9	14.4	14.2
25–44 years . . . . .	9.8	12.6	16.1	19.2	19.6	18.6	17.0	15.2	15.1	15.4	14.7
45–64 years . . . . .	12.7	13.0	12.4	11.8	13.1	11.8	10.5	11.1	11.1	10.1	10.3
65 years and over . . . . .	9.0	9.9	8.7	11.4	14.9	14.3	13.6	11.6	11.6	12.1	11.1
65–74 years <sup>4</sup> . . . . .	10.0	11.3	8.7	11.1	14.7	13.5	12.9	11.4	11.4	11.3	10.6
75–84 years <sup>4</sup> . . . . .	*	*	*	10.5	14.4	16.6	14.1	12.5	12.5	13.5	11.8
85 years and over . . . . .	---	*	*	*	*	*	*	*	*	*	*
<b>American Indian or Alaska Native male<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	19.3	20.1	18.9	20.5	20.1	20.0	19.1	19.6
All ages, crude . . . . .	---	---	---	20.9	20.9	19.6	20.9	21.1	21.0	19.6	19.6
15–24 years . . . . .	---	---	---	45.3	49.1	34.2	38.4	41.8	41.6	36.6	32.1
25–44 years . . . . .	---	---	---	31.2	27.8	31.8	32.6	33.3	33.2	29.8	30.0
45–64 years . . . . .	---	---	---	*	*	15.0	15.5	11.3	11.3	16.0	19.5
65 years and over . . . . .	---	---	---	*	*	*	*	*	*	*	*
<b>Asian or Pacific Islander male<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	10.7	9.6	10.4	10.5	10.2	10.2	9.7	9.2
All ages, crude . . . . .	---	---	---	8.8	8.7	9.4	9.2	9.1	9.1	9.0	8.3
15–24 years . . . . .	---	---	---	10.8	13.5	16.0	12.2	10.9	10.9	10.3	10.5
25–44 years . . . . .	---	---	---	11.0	10.6	11.5	10.6	11.9	11.9	12.0	10.7
45–64 years . . . . .	---	---	---	13.0	9.7	9.1	12.3	10.2	10.2	12.3	10.2
65 years and over . . . . .	---	---	---	18.6	16.8	20.3	21.0	21.0	20.9	13.9	16.2
<b>Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	13.7	13.1	11.2	11.0	11.0	10.7	10.8
All ages, crude . . . . .	---	---	---	---	11.4	11.5	9.8	9.4	9.4	9.1	9.3
15–24 years . . . . .	---	---	---	---	14.7	18.3	14.4	13.4	13.3	11.9	13.2
25–44 years . . . . .	---	---	---	---	16.2	15.5	13.9	13.0	13.0	13.1	13.2
45–64 years . . . . .	---	---	---	---	16.1	14.2	11.6	11.5	11.5	11.9	12.1
65 years and over . . . . .	---	---	---	---	23.4	19.9	17.7	20.0	19.9	17.4	17.2
<b>White, non-Hispanic male<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	23.5	22.4	21.5	21.5	21.4	20.3	20.2
All ages, crude . . . . .	---	---	---	---	23.1	22.3	21.5	21.6	21.5	20.4	20.5
15–24 years . . . . .	---	---	---	---	24.4	23.8	20.2	20.2	20.1	18.8	19.0
25–44 years . . . . .	---	---	---	---	26.4	27.3	26.8	26.7	26.6	25.4	25.3
45–64 years . . . . .	---	---	---	---	26.8	24.8	25.1	25.1	25.0	23.8	24.3
65 years and over . . . . .	---	---	---	---	45.4	39.2	36.8	37.3	37.2	35.3	34.0
<b>White female</b>											
All ages, age adjusted . . . . .	6.0	5.9	7.9	6.1	5.2	4.7	4.8	4.7	4.7	4.4	4.4
All ages, crude . . . . .	5.5	5.3	7.1	5.9	5.3	4.8	4.9	4.8	4.8	4.5	4.5
15–24 years . . . . .	2.7	2.3	4.2	4.6	4.2	3.9	3.7	3.5	3.5	3.2	3.1
25–44 years . . . . .	6.6	7.0	11.0	8.1	6.6	6.3	6.6	6.6	6.6	6.3	6.1
45–64 years . . . . .	10.6	10.9	13.0	9.6	7.7	6.7	7.2	7.1	7.1	6.8	7.0
65 years and over . . . . .	9.9	8.8	8.5	6.4	6.8	5.7	5.1	5.0	5.0	4.6	4.3
<b>Black female</b>											
All ages, age adjusted . . . . .	1.8	2.0	2.9	2.4	2.4	2.1	2.0	1.8	1.8	1.6	1.8
All ages, crude . . . . .	1.5	1.6	2.6	2.2	2.3	2.0	1.9	1.8	1.8	1.6	1.8
15–24 years . . . . .	1.8	*	3.8	2.3	2.3	2.2	2.4	2.2	2.2	2.0	2.2
25–44 years . . . . .	2.3	3.0	4.8	4.3	3.8	3.4	2.7	2.7	2.7	2.5	2.7
45–64 years . . . . .	2.7	3.1	2.9	2.5	2.9	2.0	2.4	2.2	2.2	1.8	2.1
65 years and over . . . . .	*	*	2.6	*	1.9	2.2	1.6	1.2	1.2	1.5	1.3

See footnotes at end of table.

**Table 47 (page 3 of 3). Death rates for suicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Deaths per 100,000 resident population											
<b>American Indian or Alaska Native female<sup>5</sup></b>											
All ages, age adjusted . . . . .	---	---	---	4.7	3.6	4.2	4.5	5.3	5.3	4.7	4.6
All ages, crude . . . . .	---	---	---	4.7	3.7	4.2	4.2	5.4	5.4	4.8	4.9
15–24 years . . . . .	---	---	---	*	*	*	*	*	*	*	*
25–44 years . . . . .	---	---	---	10.7	*	7.1	6.4	8.0	8.0	8.3	9.1
45–64 years . . . . .	---	---	---	*	*	*	*	*	*	*	*
65 years and over . . . . .	---	---	---	*	*	*	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>6</sup></b>											
All ages, age adjusted . . . . .	---	---	---	5.5	4.1	4.3	4.0	3.6	3.6	3.6	3.0
All ages, crude . . . . .	---	---	---	4.7	3.4	3.8	3.6	3.3	3.3	3.4	2.8
15–24 years . . . . .	---	---	---	*	3.9	5.2	4.7	2.7	2.7	4.4	3.1
25–44 years . . . . .	---	---	---	5.4	3.8	3.8	3.7	4.0	4.0	4.0	3.5
45–64 years . . . . .	---	---	---	7.9	5.0	4.9	4.4	4.3	4.3	4.0	3.3
65 years and over . . . . .	---	---	---	*	8.5	9.0	8.9	7.2	7.2	6.5	5.4
<b>Hispanic female<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	2.3	2.1	1.8	2.0	2.0	1.9	1.8
All ages, crude . . . . .	---	---	---	---	2.2	1.9	1.6	1.8	1.8	1.7	1.6
15–24 years . . . . .	---	---	---	---	3.1	2.6	2.4	2.8	2.8	2.0	2.2
25–44 years . . . . .	---	---	---	---	3.1	2.7	2.2	2.2	2.2	2.5	2.3
45–64 years . . . . .	---	---	---	---	2.5	2.7	2.3	2.7	2.7	2.5	2.5
65 years and over . . . . .	---	---	---	---	*	*	*	2.5	2.5	2.2	*
<b>White, non-Hispanic female<sup>7</sup></b>											
All ages, age adjusted . . . . .	---	---	---	---	5.4	4.9	5.1	5.0	5.0	4.7	4.7
All ages, crude . . . . .	---	---	---	---	5.6	5.1	5.3	5.2	5.2	4.9	4.9
15–24 years . . . . .	---	---	---	---	4.3	4.0	3.9	3.6	3.6	3.4	3.3
25–44 years . . . . .	---	---	---	---	7.0	6.7	7.2	7.2	7.2	6.8	6.7
45–64 years . . . . .	---	---	---	---	8.0	7.0	7.6	7.4	7.4	7.1	7.3
65 years and over . . . . .	---	---	---	---	7.0	5.8	5.2	5.2	5.2	4.8	4.5

... Category not applicable.

\* Based on fewer than 20 deaths.

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>In 1950 rate is for the age group 75 years and over.

<sup>5</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>6</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>7</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases* (ICD). See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. *Vital Health Stat* 2(128). 1999). For additional injury-related statistics, see [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars), a Web-based interactive database for injury data. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD and Hetzel AM. *Vital statistics rates in the United States, 1940–60*. Washington: Public Health Service, 1968; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.



**Table 48 (page 1 of 3). Death rates for firearm-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1970–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>2</sup></i>	<i>2000<sup>2</sup></i>
Deaths per 100,000 resident population									
All persons									
All ages, age adjusted . . . . .	14.3	14.8	14.6	13.6	12.1	11.3	11.3	10.6	10.4
All ages, crude . . . . .	13.1	14.9	14.9	13.7	12.1	11.4	11.4	10.6	10.4
Under 1 year . . . . .	*	*	*	*	*	*	*	*	*
1–14 years . . . . .	1.6	1.4	1.5	1.6	1.1	1.1	1.1	0.9	0.8
1–4 years . . . . .	1.0	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.3
5–14 years . . . . .	1.7	1.6	1.9	2.0	1.4	1.4	1.4	1.1	1.0
15–24 years . . . . .	15.5	20.6	25.8	27.2	22.3	19.9	19.8	18.0	17.1
15–19 years . . . . .	11.4	14.7	23.3	24.5	18.8	16.3	16.3	14.7	13.1
20–24 years . . . . .	20.3	26.4	28.1	29.9	26.2	24.0	23.9	21.6	21.5
25–44 years . . . . .	20.9	22.5	19.3	17.2	15.4	14.4	14.4	13.5	13.5
25–34 years . . . . .	22.2	24.3	21.8	20.1	17.8	16.3	16.3	15.8	15.5
35–44 years . . . . .	19.6	20.0	16.3	14.4	13.2	12.8	12.8	11.7	11.9
45–64 years . . . . .	17.6	15.2	13.6	11.8	11.3	10.7	10.7	10.2	10.2
45–54 years . . . . .	18.1	16.4	13.9	12.1	11.5	10.9	10.9	10.4	10.6
55–64 years . . . . .	17.0	13.9	13.3	11.4	11.0	10.4	10.4	9.9	9.5
65 years and over . . . . .	13.8	13.5	16.0	14.2	13.2	13.1	13.1	12.5	12.3
65–74 years . . . . .	14.5	13.8	14.4	12.9	11.9	11.3	11.3	11.2	10.7
75–84 years . . . . .	13.4	13.4	19.4	16.4	14.9	15.5	15.5	14.3	14.0
85 years and over . . . . .	10.2	11.6	14.7	14.6	14.3	14.3	14.3	13.4	14.0
Male									
All ages, age adjusted . . . . .	24.8	25.9	26.1	24.2	21.4	20.1	20.0	18.8	18.6
All ages, crude . . . . .	22.2	25.7	26.2	23.9	21.2	19.8	19.7	18.5	18.3
Under 1 year . . . . .	*	*	*	*	*	*	*	*	*
1–14 years . . . . .	2.3	2.0	2.2	2.3	1.7	1.5	1.5	1.2	1.2
1–4 years . . . . .	1.2	0.9	0.7	0.8	0.5	0.6	0.6	0.5	0.4
5–14 years . . . . .	2.7	2.5	2.9	2.9	2.1	1.9	1.9	1.5	1.5
15–24 years . . . . .	26.4	34.8	44.7	47.6	38.9	34.7	34.6	31.3	30.1
15–19 years . . . . .	19.2	24.5	40.1	42.4	32.3	28.0	27.9	25.2	22.7
20–24 years . . . . .	35.1	45.2	49.1	52.8	46.0	42.1	42.0	38.1	38.0
25–44 years . . . . .	34.1	38.1	32.6	28.9	25.8	24.2	24.1	22.8	22.9
25–34 years . . . . .	36.5	41.4	37.0	34.3	30.5	28.0	27.9	27.4	26.9
35–44 years . . . . .	31.6	33.2	27.4	23.7	21.5	20.9	20.8	19.0	19.6
45–64 years . . . . .	31.0	25.9	23.4	20.2	19.4	18.4	18.4	17.5	17.4
45–54 years . . . . .	30.7	27.3	23.2	20.4	19.3	18.3	18.3	17.5	17.9
55–64 years . . . . .	31.3	24.5	23.7	20.0	19.7	18.4	18.4	17.5	16.6
65 years and over . . . . .	29.7	29.7	35.3	30.9	28.5	28.5	28.4	27.1	26.3
65–74 years . . . . .	29.5	27.8	28.2	25.3	23.1	22.2	22.1	21.8	20.5
75–84 years . . . . .	31.0	33.0	46.9	37.7	34.1	35.1	35.0	32.4	31.7
85 years and over . . . . .	26.2	34.9	49.3	47.4	45.8	44.9	44.8	41.7	42.5
Female									
All ages, age adjusted . . . . .	4.8	4.7	4.2	3.9	3.4	3.3	3.3	3.0	2.9
All ages, crude . . . . .	4.4	4.7	4.3	3.9	3.4	3.3	3.3	3.0	2.9
Under 1 year . . . . .	*	*	*	*	*	*	*	*	*
1–14 years . . . . .	0.8	0.7	0.8	0.8	0.6	0.7	0.7	0.5	0.3
1–4 years . . . . .	0.9	0.5	0.5	0.5	0.5	0.4	0.4	0.4	*
5–14 years . . . . .	0.8	0.7	1.0	0.9	0.7	0.8	0.8	0.6	0.4
15–24 years . . . . .	4.8	6.1	6.0	6.0	4.8	4.5	4.5	4.0	3.6
15–19 years . . . . .	3.5	4.6	5.7	5.7	4.5	3.8	3.8	3.5	2.9
20–24 years . . . . .	6.4	7.7	6.3	6.2	5.2	5.2	5.2	4.6	4.3
25–44 years . . . . .	8.3	7.4	6.1	5.6	5.0	4.7	4.7	4.4	4.3
25–34 years . . . . .	8.4	7.5	6.7	5.9	5.1	4.7	4.7	4.3	4.2
35–44 years . . . . .	8.2	7.2	5.4	5.3	4.9	4.7	4.7	4.5	4.4
45–64 years . . . . .	5.4	5.4	4.5	4.0	3.7	3.6	3.6	3.3	3.4
45–54 years . . . . .	6.4	6.2	4.9	4.3	4.1	3.9	3.9	3.6	3.7
55–64 years . . . . .	4.2	4.6	4.0	3.5	3.0	3.1	3.1	2.9	3.0
65 years and over . . . . .	2.4	2.5	3.1	2.8	2.5	2.3	2.3	2.2	2.3
65–74 years . . . . .	2.8	3.1	3.6	3.0	2.9	2.4	2.4	2.5	2.6
75–84 years . . . . .	1.7	1.7	2.9	2.8	2.3	2.5	2.5	2.2	2.1
85 years and over . . . . .	*	1.3	1.3	1.8	1.7	1.6	1.6	1.5	1.7
White male									
All ages, age adjusted . . . . .	19.7	22.1	22.0	20.4	18.3	17.6	17.6	16.5	16.2
All ages, crude . . . . .	17.6	21.8	21.8	20.1	18.1	17.4	17.4	16.3	16.0
1–14 years . . . . .	1.8	1.9	1.9	1.9	1.4	1.3	1.3	1.1	1.1
15–24 years . . . . .	16.9	28.4	29.5	31.4	24.8	23.1	23.0	20.9	20.0
25–44 years . . . . .	24.2	29.5	25.7	23.6	21.2	20.3	20.2	19.0	18.7
25–34 years . . . . .	24.3	31.1	27.8	26.1	23.1	21.2	21.1	20.6	19.6
35–44 years . . . . .	24.1	27.1	23.3	21.2	19.5	19.5	19.4	17.6	18.0
45–64 years . . . . .	27.4	23.3	22.8	19.7	19.4	18.5	18.5	17.7	17.6
65 years and over . . . . .	29.9	30.1	36.8	32.3	30.0	30.3	30.2	28.9	28.2

See footnotes at end of table.

**Table 48 (page 2 of 3). Death rates for firearm-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1970–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998</i>	<i>1999<sup>1</sup></i>	<i>2000<sup>2</sup></i>
Deaths per 100,000 resident population									
<b>Black male</b>									
All ages, age adjusted . . . . .	70.8	60.1	56.3	49.9	42.4	37.3	37.2	34.8	34.8
All ages, crude . . . . .	60.8	57.7	61.9	54.0	46.1	40.3	40.2	37.3	37.5
1–14 years . . . . .	5.3	3.0	4.4	4.6	3.1	2.4	2.4	2.1	1.9
15–24 years . . . . .	97.3	77.9	138.0	140.2	119.9	101.8	101.5	91.9	89.3
25–44 years . . . . .	126.2	114.1	90.3	71.2	61.8	55.3	55.2	52.6	55.4
25–34 years . . . . .	145.6	128.4	108.6	94.4	84.0	75.3	75.1	74.0	77.9
35–44 years . . . . .	104.2	92.3	66.1	46.6	39.5	35.9	35.8	32.5	34.6
45–64 years . . . . .	71.1	55.6	34.5	29.1	23.3	22.1	22.0	19.9	19.2
65 years and over . . . . .	30.6	29.7	23.9	21.4	17.8	14.2	14.2	14.7	13.2
<b>American Indian or Alaska Native male<sup>3</sup></b>									
All ages, age adjusted . . . . .	---	24.0	19.4	21.3	19.7	18.5	18.5	18.6	15.9
All ages, crude . . . . .	---	27.5	20.5	22.9	20.1	19.3	19.2	19.2	16.3
15–24 years . . . . .	---	55.3	49.1	45.5	39.4	43.3	43.2	39.9	33.0
25–44 years . . . . .	---	43.9	25.4	34.1	29.3	25.6	25.5	25.4	20.4
45–64 years . . . . .	---	*	*	15.6	13.9	13.4	13.4	14.5	15.5
65 years and over . . . . .	---	*	*	*	*	*	*	*	*
<b>Asian or Pacific Islander male<sup>4</sup></b>									
All ages, age adjusted . . . . .	---	7.8	8.8	9.9	8.7	7.1	7.1	6.5	6.4
All ages, crude . . . . .	---	8.2	9.4	10.4	8.7	7.0	7.0	6.7	6.5
15–24 years . . . . .	---	10.8	21.0	27.1	19.7	13.9	13.9	12.4	10.7
25–44 years . . . . .	---	12.8	10.9	11.3	9.6	8.7	8.7	9.2	8.8
45–64 years . . . . .	---	10.4	8.1	8.6	8.7	6.1	6.1	6.7	7.8
65 years and over . . . . .	---	*	*	*	7.7	8.0	8.0	*	*
<b>Hispanic male<sup>5</sup></b>									
All ages, age adjusted . . . . .	---	---	27.6	25.6	18.6	17.1	17.1	15.7	15.3
All ages, crude . . . . .	---	---	29.9	27.6	19.9	18.1	18.1	16.2	15.8
1–14 years . . . . .	---	---	2.6	2.9	1.4	1.3	1.3	1.2	1.1
15–24 years . . . . .	---	---	55.5	70.7	47.9	44.9	44.8	38.0	37.5
25–44 years . . . . .	---	---	42.7	33.5	24.5	22.6	22.5	20.8	20.3
25–34 years . . . . .	---	---	47.3	39.9	29.3	28.6	28.5	25.9	26.3
35–44 years . . . . .	---	---	35.4	24.9	18.7	15.6	15.6	15.0	13.9
45–64 years . . . . .	---	---	21.4	17.2	13.7	10.7	10.7	11.3	12.1
65 years and over . . . . .	---	---	19.1	15.6	12.3	14.2	14.2	12.9	10.8
<b>White, non-Hispanic male<sup>5</sup></b>									
All ages, age adjusted . . . . .	---	---	20.6	18.7	17.5	16.9	16.9	15.9	15.6
All ages, crude . . . . .	---	---	20.4	18.6	17.5	17.0	17.0	16.0	15.7
1–14 years . . . . .	---	---	1.6	1.6	1.4	1.3	1.3	1.0	1.0
15–24 years . . . . .	---	---	24.1	23.3	19.4	18.1	18.1	16.9	15.8
25–44 years . . . . .	---	---	23.3	21.6	20.3	19.6	19.5	18.3	18.1
25–34 years . . . . .	---	---	24.7	22.9	21.4	19.3	19.2	19.1	17.8
35–44 years . . . . .	---	---	21.6	20.4	19.4	19.8	19.7	17.7	18.3
45–64 years . . . . .	---	---	22.7	19.7	19.8	19.0	18.9	18.1	18.0
65 years and over . . . . .	---	---	37.4	32.7	30.8	31.1	31.0	29.8	29.1
<b>White female</b>									
All ages, age adjusted . . . . .	4.0	4.2	3.8	3.5	3.2	3.0	3.0	2.8	2.7
All ages, crude . . . . .	3.7	4.1	3.8	3.5	3.2	3.0	3.0	2.8	2.8
15–24 years . . . . .	3.4	5.1	4.8	4.6	3.8	3.4	3.4	3.1	2.8
25–44 years . . . . .	6.9	6.2	5.3	5.0	4.7	4.4	4.4	4.1	4.0
45–64 years . . . . .	5.0	5.1	4.5	4.0	3.8	3.7	3.7	3.4	3.5
65 years and over . . . . .	2.2	2.5	3.1	2.9	2.6	2.4	2.4	2.3	2.4

See footnotes at end of table.

**Table 48 (page 3 of 3). Death rates for firearm-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1970–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1970	1980	1990	1995	1997	1998	Comparability modified 1998	1999 <sup>1</sup>	2000 <sup>2</sup>
Deaths per 100,000 resident population									
<b>Black female</b>									
All ages, age adjusted . . . . .	11.1	8.7	7.3	6.3	5.1	4.8	4.8	4.4	4.0
All ages, crude . . . . .	10.0	8.8	7.8	6.6	5.4	5.0	5.0	4.6	4.2
15–24 years . . . . .	15.2	12.3	13.3	13.5	10.6	10.2	10.2	9.2	7.7
25–44 years . . . . .	19.4	16.1	12.4	10.0	8.0	7.5	7.5	6.9	6.7
45–64 years . . . . .	10.2	8.2	4.8	4.1	3.4	3.2	3.2	3.0	3.1
65 years and over . . . . .	4.3	3.1	3.1	2.6	2.2	1.8	1.8	1.4	1.4
<b>American Indian or Alaska Native female<sup>3</sup></b>									
All ages, age adjusted . . . . .	---	5.8	3.3	4.2	3.3	4.2	4.2	3.2	3.5
All ages, crude . . . . .	---	5.8	3.4	4.4	3.0	4.2	4.2	3.3	3.6
15–24 years . . . . .	---	*	*	*	*	*	*	*	*
25–44 years . . . . .	---	10.2	*	7.7	*	6.9	6.9	*	6.9
45–64 years . . . . .	---	*	*	*	*	*	*	*	*
65 years and over . . . . .	---	*	*	*	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>4</sup></b>									
All ages, age adjusted . . . . .	---	2.0	1.9	2.1	1.7	1.7	1.7	1.7	1.2
All ages, crude . . . . .	---	2.1	2.1	2.2	1.7	1.8	1.8	1.8	1.2
15–24 years . . . . .	---	*	*	4.2	3.2	*	*	*	*
25–44 years . . . . .	---	3.2	2.7	2.9	1.9	2.2	2.2	2.3	1.6
45–64 years . . . . .	---	*	*	*	*	2.1	2.1	2.2	*
65 years and over . . . . .	---	*	*	*	*	*	*	*	*
<b>Hispanic female<sup>5</sup></b>									
All ages, age adjusted . . . . .	---	---	3.3	3.3	2.3	2.2	2.2	2.1	1.9
All ages, crude . . . . .	---	---	3.6	3.4	2.3	2.2	2.2	2.1	1.9
15–24 years . . . . .	---	---	6.9	6.6	4.5	4.0	4.0	4.2	3.2
25–44 years . . . . .	---	---	5.1	4.9	3.3	3.0	3.0	2.8	2.8
45–64 years . . . . .	---	---	2.4	2.4	2.2	1.6	1.6	2.3	2.2
65 years and over . . . . .	---	---	*	*	*	*	*	*	*
<b>White, non-Hispanic female<sup>5</sup></b>									
All ages, age adjusted . . . . .	---	---	3.7	3.4	3.2	3.1	3.1	2.8	2.8
All ages, crude . . . . .	---	---	3.7	3.5	3.3	3.1	3.1	2.9	2.9
15–24 years . . . . .	---	---	4.3	4.1	3.6	3.3	3.3	2.8	2.7
25–44 years . . . . .	---	---	5.1	4.8	4.8	4.5	4.5	4.2	4.2
45–64 years . . . . .	---	---	4.6	4.1	3.9	3.8	3.8	3.5	3.6
65 years and over . . . . .	---	---	3.2	2.9	2.7	2.5	2.5	2.4	2.5

\* Based on fewer than 20 deaths.

--- Data not available.

<sup>1</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD–9 and ICD–10. See Appendix II, Comparability ratio and table VI.

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>3</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>4</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>5</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the then current revision of the *International Classification of Diseases* (ICD). See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). For additional injury-related statistics, see [www.cdc.gov/nccpc/wisqars](http://www.cdc.gov/nccpc/wisqars), a Web-based interactive database for injury data. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, vol II, mortality, part A*, for data years 1950–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm); numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census for 1985–96. Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**Table 49. Deaths from selected occupational diseases for persons 15 years of age and over: United States, selected years 1980–2000**

[Data are based on death certificates]

<i>Cause of death</i> <sup>1</sup>	1980	1985	1990	1995	1997	1998	1999 <sup>2</sup>	2000 <sup>2</sup>
Underlying and nonunderlying cause of death	Number of deaths							
Angiosarcoma of liver <sup>3</sup>	---	---	---	---	---	---	4	16
Malignant mesothelioma <sup>4</sup>	699	715	874	897	984	1,064	2,485	2,531
Pneumoconiosis <sup>5</sup>	4,151	3,783	3,644	3,151	2,928	2,790	2,739	2,859
Coal workers' pneumoconiosis	2,576	2,615	1,990	1,413	1,297	1,103	1,002	949
Asbestosis	339	534	948	1,169	1,171	1,221	1,259	1,486
Silicosis	448	334	308	242	198	178	185	151
Other (including unspecified)	814	321	413	343	275	311	310	290
Underlying cause of death								
Angiosarcoma of liver <sup>3</sup>	---	---	---	---	---	---	3	15
Malignant mesothelioma <sup>4</sup>	531	573	725	780	865	935	2,343	2,384
Pneumoconiosis	1,581	1,355	1,335	1,117	1,087	1,099	1,081	1,142
Coal workers' pneumoconiosis	982	958	734	533	486	421	409	389
Asbestosis	101	139	302	355	405	458	449	558
Silicosis	207	143	150	114	98	93	102	71
Other (including unspecified)	291	115	149	115	98	127	121	124

--- Data not available.

<sup>1</sup>Cause-of-death titles for selected occupational diseases and corresponding code numbers according to the Ninth and Tenth Revisions, *International Classification of Diseases*. See Appendix II, table IV.

<i>Cause of death</i>	<i>ICD-9 code</i>	<i>ICD-10 code</i>
Angiosarcoma of liver	---	C22.3
Malignant mesothelioma	158.8, 158.9, 163	C45
Pneumoconiosis	500–505	J60–J66
Coal workers' pneumoconiosis	500	J60
Asbestosis	501	J61
Silicosis	502	J62
Other (including unspecified)	503–505	J63–J66

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD-10. See Appendix II, *International Classification of Diseases* (ICD). Discontinuities exist between 1998 and 1999 due to ICD-10 coding and classification changes. Caution should be exercised in interpreting trends for these causes, especially for those causes with major ICD-10 changes (e.g., malignant mesothelioma).

<sup>3</sup>Prior to 1999 there was no discrete code for this condition.

<sup>4</sup>Prior to 1999 the combined ICD-9 categories of malignant neoplasm of peritoneum and malignant neoplasm of pleura served as a crude surrogate for malignant mesothelioma under ICD-10.

<sup>5</sup>For underlying and nonunderlying cause of death, counts of deaths for pneumoconiosis subgroups may sum to slightly more than total pneumoconiosis deaths due to the reporting of more than one type of pneumoconiosis on some death certificates. The total underlying and nonunderlying pneumoconiosis death count is tracked by Healthy People 2010.

NOTES: Selection of occupational diseases is based on definitions in Mullan RJ, Murthy LI. Occupational sentinel health events: An updated list for physician recognition and public health surveillance. *Am J Ind Med* 19:775–799, 1991. For more detailed information about pneumoconiosis deaths, see *Work-Related Lung Disease Surveillance Report 1999*, DHHS (NIOSH) Publication Number 2000–105 at [www.cdc.gov/niosh/w99cont.html](http://www.cdc.gov/niosh/w99cont.html).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

**Table 50 (page 1 of 2). Occupational injury deaths and rates by industry, sex, age, race, and Hispanic origin: United States, 1992–2000**

[Data are compiled from various Federal, State, and local administrative sources]

Characteristic	1992 <sup>1</sup>	1994	1995	1996	1997	1998	1999	2000 <sup>2</sup>
Deaths per 100,000 employed workers <sup>3</sup>								
Total work force . . . . .	5.2	5.3	4.9	4.8	4.7	4.5	4.5	4.3
Industry <sup>4</sup>								
Private sector . . . . .	5.5	5.7	5.1	5.1	5.0	4.8	4.8	4.6
Agriculture, forestry, and fishing . . . . .	24.0	23.9	22.2	22.4	23.5	23.4	23.8	20.9
Mining . . . . .	27.1	26.9	25.0	27.0	25.0	23.8	21.7	30.0
Construction . . . . .	14.1	14.8	14.7	14.0	14.1	14.5	14.0	12.9
Manufacturing . . . . .	3.8	3.9	3.5	3.5	3.6	3.4	3.6	3.3
Transportation and public utilities . . . . .	13.4	13.4	12.6	13.4	13.2	11.8	12.7	11.8
Wholesale trade . . . . .	5.3	5.8	5.1	5.4	4.9	4.5	4.6	4.3
Retail trade . . . . .	3.8	3.8	3.3	3.2	3.1	2.6	2.3	2.7
Finance, insurance, and real estate . . . . .	1.6	1.4	1.6	1.5	1.2	1.1	1.2	0.9
Services . . . . .	2.5	2.6	2.2	2.2	2.0	2.0	1.9	2.0
Government <sup>5</sup> . . . . .	3.7	3.4	3.9	3.1	3.2	3.0	2.8	2.8
Sex								
Male . . . . .	---	9.0	8.3	8.2	8.1	7.7	7.7	7.4
Female . . . . .	---	0.9	0.9	0.9	0.8	0.8	0.7	0.7
Age								
16–17 years . . . . .	---	1.7	1.6	1.6	1.5	1.2	1.6	1.6
18–19 years . . . . .	---	3.0	3.3	3.2	2.8	3.1	2.7	2.7
20–24 years . . . . .	---	4.1	3.8	3.5	3.9	3.3	3.4	3.2
25–34 years . . . . .	---	4.8	4.3	4.2	4.1	3.9	3.8	3.8
35–44 years . . . . .	---	4.8	4.6	4.5	4.2	4.2	4.1	4.0
45–54 years . . . . .	---	5.6	5.2	4.9	4.9	4.6	4.6	4.4
55–64 years . . . . .	---	7.7	7.2	7.3	7.1	6.5	6.1	6.1
65 years and over . . . . .	---	14.3	14.0	13.7	13.8	14.5	14.6	12.0
Race and Hispanic origin <sup>6</sup>								
White . . . . .	---	5.1	4.7	4.7	4.6	4.5	4.4	---
Black . . . . .	---	5.4	5.1	4.6	4.8	4.0	4.1	---
Hispanic . . . . .	---	5.7	5.5	5.4	5.1	5.2	5.2	5.6
Non-Hispanic . . . . .	---	5.3	4.9	4.8	4.7	4.5	4.4	4.2
White . . . . .	---	---	---	---	---	---	---	4.2
Black . . . . .	---	---	---	---	---	---	---	3.8
Number of deaths <sup>7</sup>								
Total work force . . . . .	6,217	6,632	6,275	6,202	6,238	6,055	6,054	5,915
Industry <sup>4</sup>								
Private sector . . . . .	5,497	5,959	5,495	5,597	5,616	5,457	5,488	5,344
Agriculture, forestry, and fishing . . . . .	808	852	800	806	833	840	814	720
Mining . . . . .	181	180	156	153	158	147	122	156
Construction . . . . .	919	1,028	1,055	1,047	1,107	1,174	1,191	1,154
Manufacturing . . . . .	765	789	709	725	744	698	722	668
Transportation and public utilities . . . . .	895	949	901	970	1,008	911	1,008	957
Wholesale trade . . . . .	253	271	256	270	241	229	238	230
Retail trade . . . . .	734	808	687	681	670	570	513	594
Finance, insurance, and real estate . . . . .	122	113	125	116	97	92	107	79
Services . . . . .	757	853	749	776	727	763	736	768
Not classified . . . . .	63	116	57	53	31	33	37	18
Government <sup>5</sup> . . . . .	720	673	780	605	622	598	566	571

See footnotes at end of table.

**Table 50 (page 2 of 2). Occupational injury deaths and rates by industry, sex, age, race, and Hispanic origin: United States, 1992–2000**

[Data are compiled from various Federal, State, and local administrative sources]

Characteristic	1992 <sup>1</sup>	1994	1995	1996	1997	1998	1999	2000 <sup>2</sup>
<b>Sex</b>								
Male . . . . .	5,774	6,104	5,736	5,688	5,761	5,569	5,612	5,467
Female . . . . .	443	528	539	514	477	486	442	448
<b>Age</b>								
Under 16 years . . . . .	27	25	26	27	21	33	26	29
16–17 years . . . . .	41	42	42	43	41	32	46	44
18–19 years . . . . .	107	114	130	125	113	137	122	127
20–24 years . . . . .	544	545	486	444	503	421	451	444
25–34 years . . . . .	1,556	1,567	1,409	1,362	1,325	1,238	1,175	1,161
35–44 years . . . . .	1,538	1,619	1,571	1,586	1,524	1,525	1,510	1,473
45–54 years . . . . .	1,167	1,310	1,256	1,242	1,302	1,279	1,333	1,313
55–64 years . . . . .	767	866	827	855	875	836	816	830
65 years and over . . . . .	467	525	515	504	520	541	565	488
Unspecified . . . . .	3	19	13	14	14	13	10	6
<b>Race and Hispanic origin</b>								
White . . . . .	5,173	5,460	5,120	5,111	5,108	5,041	4,990	---
Black . . . . .	624	707	697	631	677	594	626	---
Hispanic . . . . .	533	624	619	638	658	707	730	815
Non-Hispanic . . . . .	5,684	6,008	5,656	5,564	5,580	5,348	5,323	5,100
White . . . . .	4,712	4,954	4,599	4,586	4,576	4,478	4,410	4,240
Black . . . . .	618	695	684	615	661	583	616	574
American Indian or Alaska Native . . . . .	36	39	27	35	34	28	54	33
Asian, Native Hawaiian or Pacific Islander . . . . .	192	211	188	188	218	164	180	185
Other races or not reported . . . . .	126	109	158	140	91	95	64	68

--- Data not available.

<sup>1</sup>1992 and 1993 employment data by demographic characteristics are not available from the Current Population Survey (CPS) for calculation of rates.

<sup>2</sup>Preliminary data.

<sup>3</sup>Excludes deaths to workers under the age of 16 years. Employment data in denominators are average annual estimates of employed civilians 16 years of age and over from the Current Population Survey (CPS) plus resident military figures from the Bureau of the Census (1992–98) and Department of Defense (1999–2000).

<sup>4</sup>Classified according to the Standard Industrial Classification Manual, 1987 (see Appendix II, table VII).

<sup>5</sup>Includes fatalities to workers employed by governmental organizations regardless of industry.

<sup>6</sup>Employment data for American Indian or Alaska Native workers and Asian or Pacific Islander workers are not available for the calculation of rates.

<sup>7</sup>Includes fatalities to all workers, regardless of age.

NOTES: Fatalities and rates are based on revised data and may differ from originally published data from the Census of Fatal Occupational Injuries (CFOI). See Appendix I. CFOI began collecting fatality data in 1992. For data for prior years, see CDC. Fatal Occupational Injuries—United States, 1980–1997. MMWR 2001; 50(16):317–320, which reports trend data from the National Traumatic Occupational Fatalities (NTOF) surveillance system. NTOF was established at the National Institute of Occupational Safety and Health (NIOSH) to monitor occupational injury deaths through death certificates. Some numbers for 1999 in this table were revised and differ from the previous edition of *Health, United States*.

SOURCE: Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries. Revised annual data.



**Table 52 (page 1 of 2). Healthy People 2010 Leading Health Indicators: United States, selected years 1990–2001 and 2010 target**

[Data are based on interviews and examinations of samples of the civilian noninstitutionalized population or special population subgroups; information from death certificates and birth certificates; and air quality measurements]

<i>Leading Health Indicators, measures, and Healthy People 2010 objective numbers</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2010 Target</i>
<b>Physical activity</b>								
1a. Adolescents in grades 9–12: percent who engaged in 20 minutes or more of vigorous activity 3 or more days per week (obj 22-07) . . . . .	---	64	64	---	65	---	65	85
1b. Adults age 18 years and over: age-adjusted percent who engaged in moderate activity (at least 30 minutes, 5 days per week) or vigorous activity (at least 20 minutes, 3 days per week) (obj 22-02) <sup>1</sup> . . . . .	---	---	32	30	30	32	32	50
<b>Overweight and obesity<sup>2</sup></b>								
2a. Overweight or obese children and adolescents, age 6–19 years: percent who are at or above the sex- and age-specific 95th percentile of Body Mass Index (BMI) based on CDC Growth Charts: United States (obj 19-03c) . . . . .	11	---	---	---	---	15	---	5
2b. Obese adults age 20 years and over: age-adjusted percent with BMI of 30 kg/m <sup>2</sup> or more (obj 19-02) . . . . .	23	---	---	---	---	31	---	15
<b>Tobacco use</b>								
3a. Adolescents in grades 9–12: percent who smoked cigarettes one or more days in the past 30 days (obj 27-02b) . . . . .	---	35	36	---	35	28	28	16
3b. Adults age 18 years and over: age-adjusted percent who smoked more than 100 cigarettes in their lifetime and now report smoking on some days or every day (obj 27-01a) <sup>1</sup> . . . . .	25	25	25	24	23	23	23	12
<b>Substance abuse<sup>3</sup></b>								
4a. Adolescents age 12–17 years: percent who reported no use of alcohol or illicit drugs in the past 30 days (obj 26-10a) . . . . .	---	---	---	---	80	80	---	89
4b. Adults age 18 years and over: percent who reported illicit drug use in the past 30 days (obj 26-10c) . . . . .	---	---	---	---	5.8	5.9	---	2.0
4c. Adults age 18 years and over: percent who reported binge drinking in the past 30 days (obj 26-11c) . . . . .	---	---	---	---	21	22	---	6
<b>Responsible sexual behavior</b>								
5a. Adolescents in grades 9–12: percent who are not sexually active or sexually active and used condoms (obj 25-11) . . . . .	---	83	85	---	85	---	86	95
5b. Sexually active unmarried women age 18–44 years: percent who reported condom use by partners (obj 13-06a) . . . . .	---	23	---	---	---	---	---	50
5c. New cases of gonorrhea per 100,000 population (obj 25-02) (supplemental measure) . . . . .	277	149	122	132	132	129	---	19
<b>Mental health</b>								
6a. Adults age 18 years and over: percent with recognized depression who received treatment (obj 18-09b) . . . . .	---	---	23	---	---	---	---	50
6b. Age-adjusted suicide rate per 100,000 standard population (obj 18-01) (supplemental measure) . . . . .	12.5	12.0	11.4	11.3	10.7	10.6	---	5.0
<b>Injury and violence</b>								
7a. Age-adjusted death rate for motor vehicle traffic-related injuries per 100,000 standard population (obj 15-15a) <sup>4</sup> . . . . .	18.0	16.1	15.8	15.6	15.0	15.2	---	9.2
7b. Age-adjusted homicide rate per 100,000 standard population (obj 15-32) . . . . .	9.4	8.4	7.2	6.5	6.2	6.1	---	3.0

See footnotes at end of table.

**Table 52 (page 2 of 2). Healthy People 2010 Leading Health Indicators: United States, selected years 1990–2001 and 2010 target**

[Data are based on interviews and examinations of samples of the civilian noninstitutionalized population or special population subgroups; information from death certificates and birth certificates; and air quality measurements]

<i>Leading Health Indicators, measures, and Healthy People 2010 objective numbers</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2010 Target</i>
<b>Environmental quality</b>								
8a. Percent of population exposed to ozone above EPA standard (obj 08-01a) . . . . .	---	---	43	43	43	43	41	0
8b. Persons age 4 years and over: age-adjusted percent of nonsmokers exposed to environmental tobacco smoke (obj 27-10) <sup>2</sup> . . . .	65	---	---	---	---	---	---	45
8c. Persons under age 18 years: hospital admissions for asthma per 10,000 population (obj 01-09a) (supplemental measure) . . . . .	---	---	---	---	25.5	---	21.4	17.3
<b>Immunization</b>								
9a. Children age 19–35 months: percent who received all DTaP, polio, MMR, Hib, and HepB vaccines (obj 14-24a) . . . . .	---	---	---	73	73	73	74	80
9b. Adults age 65 years and over: age-adjusted percent who received influenza vaccine in the past 12 months (obj 14-29a) <sup>1</sup> . . . . .	---	59	63	64	66	65	63	90
9c. Adults age 65 years and over: age-adjusted percent who ever received pneumococcal vaccine (obj 14-29b) <sup>1</sup> . . . . .	---	35	43	46	50	53	54	90
<b>Access to health care</b>								
10a. Persons under age 65 years: age-adjusted percent with health insurance (obj 01-01) <sup>1,5</sup> . . . . .	---	84	83	83	84	83	84	100
10b. Persons of all ages: age-adjusted percent with a specific source of ongoing primary care (obj 01-04a) <sup>1</sup> . . . . .	---	87	86	87	86	87	88	96
10c. Pregnant women: percent who received prenatal care in the first trimester (obj 16-06a) . . . . .	76	81	83	83	83	83	---	90

--- Data not available.

<sup>1</sup>Data for 1997 and later years are not strictly comparable with data for earlier years due to the 1997 questionnaire redesign. See Appendix I, NHIS. Data for 2001 are provisional.

<sup>2</sup>NHANES data for 1990 are for the period 1988–94. NHANES data for 2000 are for the period 1999–2000, and are based on a smaller sample size and therefore are subject to greater sampling error than the estimate for 1988–94.

<sup>3</sup>In a major redesign of the survey in 1999, the sample size, mode of administration, and survey content changed. Data are not shown for 1998 and earlier years because only limited comparisons can be made between data from the redesigned surveys (1999 onward) and data obtained from surveys prior to 1999. See Appendix I, NHSDA.

<sup>4</sup>Motor vehicle traffic-related injuries (ICD–9-E810–E819 prior to 1999; and for 1999 and later years ICD–10-V02–V04(.1–.9), V09.2, V12–V14(.3–.9), V19(.4–.6), V20–V28(.3–.9), V29(.4–.9), V30–V39(.4–.9), V40–V49(.4–.9), V50–V59(.4–.9), V60–V69(.4–.9), V70–V79(.4–.9), V80(.3–.5), V81.1, V82.1, V83–V86(.0–.3), V87(.0–.8), V89.2) are a subset of data in tables 30 and 45 for motor vehicle-related injuries. (For ICD–10 codes, parenthetical digits apply to each preceding alphanumeric in the range.)

<sup>5</sup>See Appendix II, Health insurance coverage, for a discussion of changes in measurement of this variable.

NOTES: Additional information on specific measures is presented in the following tables: measure 3b (table 61); measure 5c (table 53); measure 6b (table 47); measure 7b (table 46); measure 10a (table 130); measure 10c (table 6). Additional information related to other measures is presented in the following tables: measure 2a (table 71); measure 2b (table 70); measures 4a and 4c (table 64); measure 5b (table 18); measure 7a (table 45); measure 9a (tables 73 and 74); measure 10b (tables 76 and 78). Current data for the Leading Health Indicators can be obtained from the Healthy People 2010 DATA2010 Web site: [wonder.cdc.gov/data2010](http://wonder.cdc.gov/data2010). Data for additional years are available (see Appendix III).

SOURCES: Youth Risk Behavior Surveillance System (YRBSS), CDC, NCCDPHP: measures 1a, 3a, and 5a; National Youth Tobacco Survey (NYTS), CDC, OSH: measure 3a (2000); National Health Interview Survey (NHIS), CDC, NCHS: measures 1b, 3b, 9b, 9c, 10a, and 10b; National Health and Nutrition Examination Survey (NHANES), CDC, NCHS: measures 2a, 2b, and 8b; National Household Survey on Drug Abuse (NHSDA), SAMHSA: measures 4a, 4b, 4c, and 6a; National Survey of Family Growth (NSFG), CDC, NCHS: measure 5b; Sexually Transmitted Diseases (STD) Surveillance System, CDC, NCHSTP: measure 5c; National Vital Statistics System (NVSS), CDC, NCHS: measures 6b, 7a, 7b, 10c; Aerometric Information Retrieval System (AIRS), EPA, OAR: measure 8a; Healthcare Cost and Utilization Project (HCUP), AHRQ: measure 8c; National Immunization Survey (NIS), CDC, NIP and NCHS: measure 9a.

**Table 54. Acquired immunodeficiency syndrome (AIDS) cases, according to age at diagnosis, sex, detailed race, and Hispanic origin: United States, selected years 1985–2001**

[Data are based on reporting by State health departments]

Age at diagnosis, sex, race, and Hispanic origin	All years <sup>1</sup>	All years <sup>1</sup>	1985	1990	1995	1998	1999	2000	January– June 2001	12 months ending June 30, 2001
	Percent distribution <sup>2</sup>	Number, by year of report								Cases per 100,000 population <sup>3</sup>
All races . . . . .	...	767,023	8,159	41,465	70,519	45,881	44,700	40,421	19,094	14.3
<b>Male</b>										
All males, 13 years and over . . . . .	100.0	629,429	7,504	36,193	56,776	35,104	34,094	30,251	14,304	27.2
White, non-Hispanic . . . . .	48.7	306,373	4,749	20,835	26,065	13,827	12,721	11,370	5,293	13.8
Black, non-Hispanic . . . . .	34.7	218,150	1,709	10,237	20,858	14,602	14,849	13,115	6,354	106.7
Hispanic <sup>4</sup> . . . . .	15.5	97,337	989	4,748	9,130	6,176	6,069	5,300	2,412	42.8
American Indian or Alaska Native <sup>5</sup> . . . . .	0.3	1,955	8	81	198	119	135	135	71	18.3
Asian or Pacific Islander <sup>5</sup> . . . . .	0.8	5,088	49	263	490	322	298	290	155	7.4
13–19 years . . . . .	0.4	2,338	27	107	222	141	131	146	88	1.3
20–29 years . . . . .	15.7	99,050	1,501	6,923	8,396	4,248	3,960	3,332	1,551	17.9
30–39 years . . . . .	45.2	284,310	3,588	16,673	25,719	15,168	14,444	12,554	5,739	57.7
40–49 years . . . . .	27.4	172,420	1,632	8,833	16,181	10,859	10,884	9,724	4,719	45.8
50–59 years . . . . .	8.4	52,881	597	2,647	4,702	3,494	3,491	3,403	1,633	22.7
60 years and over . . . . .	2.9	18,430	159	1,010	1,556	1,194	1,184	1,092	574	5.6
<b>Female</b>										
All females, 13 years and over . . . . .	100.0	129,005	524	4,547	12,998	10,410	10,352	9,979	4,698	8.4
White, non-Hispanic . . . . .	22.5	29,002	143	1,227	3,043	2,003	1,901	1,872	875	2.2
Black, non-Hispanic . . . . .	60.5	78,064	280	2,559	7,605	6,700	6,740	6,493	3,151	46.1
Hispanic <sup>4</sup> . . . . .	16.0	20,675	98	728	2,235	1,604	1,602	1,464	614	11.2
American Indian or Alaska Native <sup>5</sup> . . . . .	0.3	447	2	9	38	32	41	70	19	6.1
Asian or Pacific Islander <sup>5</sup> . . . . .	0.6	732	1	20	73	56	62	75	32	1.5
13–19 years . . . . .	1.3	1,694	5	66	155	142	167	171	74	1.2
20–29 years . . . . .	21.1	27,236	178	1,119	2,672	1,919	1,892	1,734	785	9.2
30–39 years . . . . .	44.4	57,321	232	2,088	5,948	4,426	4,255	4,002	1,822	18.3
40–49 years . . . . .	23.3	30,086	45	781	3,070	2,850	2,795	2,856	1,405	13.1
50–59 years . . . . .	6.6	8,550	26	274	818	788	922	873	438	5.6
60 years and over . . . . .	3.2	4,118	38	219	335	285	321	343	174	1.4
<b>Children</b>										
All children, under 13 years . . . . .	100.0	8,589	131	725	745	367	254	191	92	0.4
White, non-Hispanic . . . . .	18.2	1,564	26	157	117	59	31	30	16	0.1
Black, non-Hispanic . . . . .	61.4	5,273	87	390	483	234	170	125	57	1.7
Hispanic <sup>4</sup> . . . . .	19.3	1,656	18	169	135	71	48	31	18	0.4
American Indian or Alaska Native <sup>5</sup> . . . . .	0.4	31	—	5	2	—	2	1	—	—
Asian or Pacific Islander <sup>5</sup> . . . . .	0.6	52	—	4	5	2	2	3	1	0.1
Under 1 year . . . . .	39.0	3,352	63	318	268	96	89	66	24	1.5
1–12 years . . . . .	61.0	5,237	68	407	477	271	165	125	68	0.3

... Category not applicable.

— Quantity zero.

<sup>1</sup>Includes cases prior to 1985 and through June 30, 2001.

<sup>2</sup>Percents may not sum to 100 percent due to rounding.

<sup>3</sup>Computed using unpublished 1990-based postcensus resident population estimates for 2000 furnished by the U.S. Bureau of the Census.

<sup>4</sup>Persons of Hispanic origin may be of any race.

<sup>5</sup>Excludes persons of Hispanic origin.

NOTES: The AIDS case reporting definitions were expanded in 1985, 1987, and 1993. See Appendix II, AIDS. Excludes data for U.S. dependencies and possessions and independent nations in free association with the United States. Data for all years have been updated through June 30, 2001, to include temporally delayed case reports and may differ from previous editions of *Health, United States*. Similar data as of December 31, 2001, are available in the Centers for Disease Control and Prevention, HIV/AIDS Surveillance Report, Year-end edition Vol 13 No 2. 2001.

SOURCE: Centers for Disease Control and Prevention, National Center for HIV, STD, and TB Prevention, Division of HIV/AIDS Prevention—Surveillance and Epidemiology, AIDS Surveillance, 2001 special data run.

**Table 58 (page 1 of 3). Limitation of activity caused by chronic conditions, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1997	1999	2000
All ages			
Total <sup>2,3</sup>	13.3	12.2	11.7
Age			
Under 18 years	6.6	6.0	6.0
Under 5 years	3.5	3.1	3.2
5–17 years	7.8	7.0	7.0
18–44 years	7.0	6.3	5.8
18–24 years	5.1	4.4	3.6
25–44 years	7.6	6.9	6.5
45–54 years	14.2	13.1	12.4
55–64 years	22.2	21.1	19.7
65 years and over	38.7	35.6	34.7
65–74 years	30.0	27.5	26.1
75 years and over	50.2	45.6	45.1
Sex <sup>3</sup>			
Male	13.1	12.1	11.7
Female	13.4	12.2	11.5
Race <sup>3,4</sup>			
White only	13.1	12.0	11.5
Black or African American only	17.1	15.3	14.3
American Indian and Alaska Native only	23.1	18.8	20.1
Asian only	7.5	6.8	6.6
Native Hawaiian and Other Pacific Islander only	*	*	*
2 or more races	---	20.3	19.8
Black or African American; White	---	14.9	*20.3
American Indian and Alaska Native; White	---	26.0	25.3
Hispanic origin and race <sup>3,4</sup>			
Hispanic or Latino	12.8	10.4	10.3
Mexican	12.5	9.6	10.4
Not Hispanic or Latino	#	12.4	11.9
White only	13.2	12.2	11.7
Black or African American only	17.0	15.2	14.3
Poverty status <sup>3,5</sup>			
Poor	26.8	24.6	23.2
Near poor	19.0	19.1	17.5
Nonpoor	10.5	10.0	9.5
Hispanic origin and race and poverty status <sup>3,4,5</sup>			
Hispanic or Latino:			
Poor	19.7	16.4	16.9
Near poor	13.1	11.4	11.4
Nonpoor	9.8	7.9	7.4
Not Hispanic or Latino:			
White only:			
Poor	29.5	27.6	25.6
Near poor	20.7	21.5	19.7
Nonpoor	10.7	10.2	9.8
Black or African American only:			
Poor	29.4	28.0	24.7
Near poor	20.0	19.1	18.3
Nonpoor	10.7	10.1	9.7
Geographic region <sup>3</sup>			
Northeast	13.0	11.3	10.6
Midwest	13.1	12.9	12.3
South	13.9	12.6	11.7
West	13.0	11.7	12.1
Location of residence <sup>3</sup>			
Within MSA <sup>6</sup>	12.7	11.4	10.9
Outside MSA <sup>6</sup>	15.5	15.1	14.6

See footnotes at end of table.

**Table 58 (page 2 of 3). Limitation of activity caused by chronic conditions, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
65 years of age and over	Percent with ADL limitation <sup>7</sup>				Percent with IADL limitation <sup>7</sup>			
All adults 65 years of age and over <sup>2,8</sup>	6.7	6.3	6.3	6.3	13.7	13.5	12.4	12.7
Age								
65–74 years	3.4	3.3	3.1	3.3	6.9	7.1	6.2	6.6
75 years and over	10.4	9.6	9.9	9.5	21.2	20.5	19.1	19.3
Sex <sup>8</sup>								
Male	5.2	5.1	4.9	5.1	9.1	9.2	8.4	9.2
Female	7.7	7.1	7.2	7.0	16.9	16.4	15.1	15.1
Race <sup>4,8</sup>								
White only	6.3	5.8	5.8	5.8	13.1	12.7	11.6	12.1
Black or African American only	11.7	10.9	12.0	10.2	21.3	21.6	20.9	19.2
American Indian and Alaska Native only	*	*	*	*	*	*26.4	*25.2	*
Asian only	*	*7.1	*	*7.4	*9.1	11.3	*9.1	*10.1
Native Hawaiian and Other Pacific Islander only	*	*	*	*	*	*	*	*
2 or more races	---	---	*	*	---	---	*	*
Hispanic origin and race <sup>4,8</sup>								
Hispanic or Latino	10.8	9.9	8.6	8.6	16.3	19.3	14.1	13.4
Mexican	11.4	12.3	8.9	9.4	18.8	24.7	15.6	16.3
Not Hispanic or Latino	#	#	6.2	6.1	#	#	12.3	12.6
White only	6.1	5.6	5.7	5.7	13.0	12.4	11.5	12.1
Black or African American only	11.7	11.1	12.0	10.1	21.2	21.8	21.0	19.1
Poverty status <sup>5,8</sup>								
Poor	13.0	9.5	10.1	9.6	26.9	25.3	22.3	20.2
Near poor	7.5	7.9	6.7	7.1	16.3	18.3	15.1	15.3
Nonpoor	5.3	4.6	5.5	5.2	10.1	9.7	9.7	9.4
Hispanic origin and race and poverty status <sup>4,5,8</sup>								
Hispanic or Latino:								
Poor	15.5	11.9	*8.4	12.3	25.8	25.1	17.9	17.6
Near poor	11.3	10.9	*8.6	*7.6	16.5	19.4	14.1	14.1
Nonpoor	*	*5.6	*8.1	*6.5	*9.7	16.1	*10.4	*7.9
Not Hispanic or Latino:								
White only:								
Poor	12.7	8.4	8.8	8.9	27.2	25.3	21.2	20.0
Near poor	6.7	7.2	5.7	6.4	15.8	17.6	14.3	14.8
Nonpoor	5.0	4.5	5.3	4.8	10.0	9.3	9.2	9.2
Black or African American only:								
Poor	12.9	*11.6	13.9	9.9	27.4	27.4	27.9	21.8
Near poor	12.0	10.5	15.2	11.2	21.4	23.1	23.5	20.5
Nonpoor	*10.6	*	*8.9	*11.9	*13.0	*14.4	18.4	15.5

See footnotes at end of table.

**Table 58 (page 3 of 3). Limitation of activity caused by chronic conditions, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
<b>Geographic region</b>	<b>Percent with ADL limitation<sup>7</sup></b>				<b>Percent with IADL limitation<sup>7</sup></b>			
Northeast . . . . .	6.1	5.8	5.8	5.7	12.2	12.0	11.2	11.5
Midwest . . . . .	5.8	5.2	5.4	5.6	13.1	13.4	12.3	13.2
South . . . . .	8.2	6.9	7.1	7.4	15.8	14.0	13.2	13.1
West . . . . .	5.9	7.0	6.7	5.7	12.4	14.3	12.3	12.6
<b>Location of residence<sup>8</sup></b>								
Within MSA <sup>6</sup> . . . . .	6.6	6.2	6.3	6.4	13.5	13.3	12.1	12.6
Outside MSA <sup>6</sup> . . . . .	7.2	6.5	6.4	6.0	14.4	13.9	13.4	13.2

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

--- Data not available.

#Estimates calculated upon request.

<sup>1</sup>Limitation of activity is assessed by asking respondents a series of questions about limitations in their ability to perform activities usual for their age group because of a physical, mental, or emotional problem. Respondents are asked about limitations in activities of daily living, or instrumental activities of daily living, play, school, work, difficulty walking or remembering, and any other activity limitations. For reported limitations the causal health conditions are determined and respondents are considered limited if one or more of these conditions is chronic. 1998 annual estimates for any activity limitation are not shown due to an error with the computer-assisted personal interview for January–June. See Appendix II, Limitation of activity, Activities of daily living, Instrumental activities of daily living.

<sup>2</sup>Includes all other races not shown separately and unknown poverty status.

<sup>3</sup>Estimates for all persons are age adjusted to the year 2000 standard population using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1999 and the previous data year, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, age-adjusted estimates of the percent of persons with activity limitation based on the 1977 Standards are: identical for white and black persons; 1.1 percentage points higher for AI/AN persons; and 0.5 percentage points higher for Asian and Pacific Islander persons; (for persons 65 years of age and older with ADL limitation): identical for white persons; and 0.1 percentage points lower for black persons; (for persons 65 years of age and older with IADL limitation): identical for white persons; 0.2 percentage points lower for black persons; 3.0 percentage points lower for AI/AN persons; and 0.2 percentage points lower for Asian and Pacific Islander persons.

<sup>5</sup>Beginning in 1997 poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults, the age of the adults in the family. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Family income; Poverty level. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, and 27 percent in 2000.

<sup>6</sup>MSA is metropolitan statistical area.

<sup>7</sup>These estimates are for elderly noninstitutionalized persons. To determine activities of daily living (ADL) limitations respondents were asked “Because of a physical, mental, or emotional problem, does \_\_\_\_ need the help of other persons with personal care needs, such as eating, bathing, dressing, or getting around inside this home?” Instrumental activities of daily living (IADL) were determined by asking respondents “Because of a physical, mental, or emotional problem, does \_\_\_\_ need the help of other persons in handling routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?” See Appendix II, Activities of daily living, Instrumental activities of daily living.

<sup>8</sup>Estimates are age adjusted to the year 2000 standard population using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.



**Table 59 (page 1 of 2). Respondent-assessed health status according to selected characteristics: United States, selected years 1991–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1991</i>	<i>1995</i>	<i>1997<sup>1</sup></i>	<i>1998<sup>1</sup></i>	<i>1999<sup>1</sup></i>	<i>2000<sup>1</sup></i>
Percent with fair or poor health <sup>2</sup>						
Total <sup>3,4</sup> . . . . .	10.4	10.6	9.2	9.1	8.9	9.0
Age						
Under 18 years . . . . .	2.6	2.6	2.1	1.8	1.6	1.7
Under 6 years . . . . .	2.7	2.7	1.9	1.5	1.4	1.5
6–17 years . . . . .	2.6	2.5	2.1	1.9	1.8	1.8
18–44 years . . . . .	6.1	6.6	5.3	5.3	5.1	5.1
18–24 years . . . . .	4.8	4.5	3.4	3.2	3.4	3.2
25–44 years . . . . .	6.4	7.2	5.9	5.9	5.6	5.7
45–54 years . . . . .	13.4	13.4	11.7	11.6	11.5	11.9
55–64 years . . . . .	20.7	21.4	18.2	18.0	18.5	17.9
65 years and over . . . . .	29.0	28.3	26.7	26.7	26.1	27.0
65–74 years . . . . .	26.0	25.6	23.1	23.9	22.7	22.6
75 years and over . . . . .	33.6	32.2	31.5	30.4	30.2	32.2
Sex <sup>3</sup>						
Male . . . . .	10.0	10.1	8.8	8.8	8.6	8.8
Female . . . . .	10.8	11.1	9.7	9.4	9.2	9.3
Race <sup>3,5</sup>						
White only . . . . .	9.6	9.7	8.3	8.2	8.0	8.2
Black or African American only . . . . .	16.8	17.2	15.8	15.7	14.6	14.6
American Indian and Alaska Native only . . . . .	18.3	18.7	17.3	17.6	14.7	17.2
Asian only . . . . .	7.8	9.3	7.8	7.1	8.6	7.4
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*
2 or more races . . . . .	---	---	---	---	12.9	16.4
Black or African American; White . . . . .	---	---	---	---	*20.5	14.6
American Indian and Alaska Native; White . . . . .	---	---	---	---	14.5	18.8
Hispanic origin and race <sup>3,5</sup>						
Hispanic or Latino . . . . .	15.6	15.1	13.0	13.1	11.9	12.9
Mexican . . . . .	17.0	16.7	13.1	13.5	12.3	12.9
Not Hispanic or Latino . . . . .	#	#	#	#	8.6	8.7
White only . . . . .	9.1	9.1	8.0	7.8	7.7	7.9
Black or African American only . . . . .	16.8	17.3	15.8	15.8	14.6	14.6
Poverty status <sup>3,6</sup>						
Poor . . . . .	22.8	23.7	21.4	22.2	21.7	20.9
Near poor . . . . .	14.7	15.5	14.6	15.6	14.9	15.3
Nonpoor . . . . .	6.8	6.7	6.1	5.7	6.1	6.3
Hispanic origin and race and poverty status <sup>3,5,6</sup>						
Hispanic or Latino:						
Poor . . . . .	23.6	22.7	19.8	21.7	18.9	19.1
Near poor . . . . .	18.0	16.9	14.0	15.3	14.2	16.5
Nonpoor . . . . .	9.3	8.7	8.8	7.9	8.2	8.4
Not Hispanic or Latino:						
White only:						
Poor . . . . .	21.9	22.8	20.6	21.3	20.5	20.1
Near poor . . . . .	14.0	14.8	14.1	15.3	14.5	14.7
Nonpoor . . . . .	6.4	6.2	5.7	5.3	5.7	5.8
Black or African American only:						
Poor . . . . .	25.8	27.7	25.6	26.3	27.2	25.3
Near poor . . . . .	17.0	19.3	19.5	19.3	18.2	19.4
Nonpoor . . . . .	10.9	9.9	9.6	9.0	8.6	9.6

See footnotes at end of table.

**Table 59 (page 2 of 2). Respondent-assessed health status according to selected characteristics: United States, selected years 1991–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1991</i>	<i>1995</i>	<i>1997<sup>1</sup></i>	<i>1998<sup>1</sup></i>	<i>1999<sup>1</sup></i>	<i>2000<sup>1</sup></i>
<b>Geographic region<sup>3</sup></b>			<b>Percent with fair or poor health<sup>2</sup></b>			
Northeast . . . . .	8.3	9.1	8.0	7.9	7.5	7.6
Midwest . . . . .	9.1	9.7	8.1	8.0	8.0	8.0
South . . . . .	13.1	12.3	10.8	10.9	10.5	10.7
West . . . . .	9.7	10.1	8.8	8.4	8.7	8.8
<b>Location of residence<sup>3</sup></b>						
Within MSA <sup>7</sup> . . . . .	9.9	10.1	8.7	8.5	8.3	8.5
Outside MSA <sup>7</sup> . . . . .	11.9	12.6	11.1	11.4	11.1	11.1

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

--- Data not available.

#Estimates calculated upon request.

<sup>1</sup>Data starting in 1997 are not strictly comparable with data for earlier years due to the 1997 questionnaire redesign. See Appendix I, National Health Interview Survey.

<sup>2</sup>See Appendix II, Health status, respondent-assessed.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Includes all other races not shown separately and unknown poverty status.

<sup>5</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, estimates of the age-adjusted percent with fair or poor health based on the 1977 Standards are: identical for the white and black groups; 0.1 percentage points lower for the Asian and Pacific Islander group; and 0.8 percentage points higher for the AI/AN group.

<sup>6</sup>Prior to 1997 poverty status is based on family income and family size using Bureau of the Census poverty thresholds. Beginning in 1997 poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults the age of the adults in the family. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Family income; Poverty level. Missing family income data were imputed for 16–18 percent of persons in 1991 and 1995. See Appendix II, Family income for information on imputation process. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, and 27 percent in 2000.

<sup>7</sup>MSA is metropolitan statistical area.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.

**Table 61 (page 1 of 2). Current cigarette smoking by persons 18 years of age and over according to sex, race, and age: United States, selected years 1965–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Sex, race, and age</i>	1965	1974	1979	1983	1985	1990	1994	1995	1997 <sup>1</sup>	1998 <sup>1</sup>	1999 <sup>1</sup>	2000 <sup>1</sup>
18 years and over, age adjusted <sup>2</sup>	Percent of persons											
All persons . . . . .	41.9	37.0	33.3	31.9	29.9	25.3	25.3	24.6	24.6	24.0	23.3	23.1
Male . . . . .	51.2	42.8	37.0	34.8	32.2	28.0	27.6	26.5	27.1	25.9	25.2	25.2
Female . . . . .	33.7	32.2	30.1	29.4	27.9	22.9	23.1	22.7	22.2	22.1	21.6	21.1
White male <sup>3</sup> . . . . .	50.4	41.7	36.4	34.2	31.3	27.6	27.1	26.2	26.8	26.0	25.0	25.5
Black or African American male <sup>3</sup> . . . . .	58.8	53.6	43.9	41.7	40.2	32.8	34.3	29.4	32.4	29.0	28.4	25.7
White female <sup>3</sup> . . . . .	33.9	32.0	30.3	29.6	27.9	23.5	24.0	23.4	22.8	23.0	22.5	22.0
Black or African American female <sup>3</sup> . . . . .	31.8	35.6	30.5	31.3	30.9	20.8	21.6	23.5	22.5	21.1	20.5	20.7
18 years and over, crude												
All persons . . . . .	42.4	37.1	33.5	32.1	30.1	25.5	25.5	24.7	24.7	24.1	23.5	23.3
Male . . . . .	51.9	43.1	37.5	35.1	32.6	28.4	28.2	27.0	27.6	26.4	25.7	25.7
Female . . . . .	33.9	32.1	29.9	29.5	27.9	22.8	23.1	22.6	22.1	22.0	21.5	21.0
White male <sup>3</sup> . . . . .	51.1	41.9	36.8	34.5	31.7	28.0	27.7	26.6	27.2	26.3	25.3	25.8
Black or African American male <sup>3</sup> . . . . .	60.4	54.3	44.1	40.6	39.9	32.5	33.7	28.5	32.2	29.0	28.6	26.1
White female <sup>3</sup> . . . . .	34.0	31.7	30.1	29.4	27.7	23.4	23.7	23.1	22.5	22.6	22.1	21.6
Black or African American female <sup>3</sup> . . . . .	33.7	36.4	31.1	32.2	31.0	21.2	21.7	23.5	22.5	21.1	20.6	20.8
All males												
18–24 years . . . . .	54.1	42.1	35.0	32.9	28.0	26.6	29.8	27.8	31.7	31.3	29.5	28.5
25–34 years . . . . .	60.7	50.5	43.9	38.8	38.2	31.6	31.4	29.5	30.3	28.5	29.1	29.0
35–44 years . . . . .	58.2	51.0	41.8	41.0	37.6	34.5	33.2	31.5	32.1	30.2	30.0	30.2
45–64 years . . . . .	51.9	42.6	39.3	35.9	33.4	29.3	28.3	27.1	27.6	27.7	25.8	26.4
65 years and over . . . . .	28.5	24.8	20.9	22.0	19.6	14.6	13.2	14.9	12.8	10.4	10.5	10.2
White male <sup>3</sup>												
18–24 years . . . . .	53.0	40.8	34.3	32.5	28.4	27.4	31.8	28.4	34.0	34.1	30.5	30.9
25–34 years . . . . .	60.1	49.5	43.6	38.6	37.3	31.6	32.5	29.9	30.4	29.2	30.8	29.9
35–44 years . . . . .	57.3	50.1	41.3	40.8	36.6	33.5	32.0	31.2	32.1	29.6	29.5	30.6
45–64 years . . . . .	51.3	41.2	38.3	35.0	32.1	28.7	26.9	26.3	26.5	27.0	24.5	25.8
65 years and over . . . . .	27.7	24.3	20.5	20.6	18.9	13.7	11.9	14.1	11.5	10.0	10.0	9.8
Black or African American male <sup>3</sup>												
18–24 years . . . . .	62.8	54.9	40.2	34.2	27.2	21.3	*18.7	*14.6	23.5	19.7	23.6	20.8
25–34 years . . . . .	68.4	58.5	47.5	39.9	45.6	33.8	29.8	25.1	31.6	25.2	22.7	23.3
35–44 years . . . . .	67.3	61.5	48.6	45.5	45.0	42.0	44.5	36.3	33.9	36.1	34.8	30.8
45–64 years . . . . .	57.9	57.8	50.0	44.8	46.1	36.7	41.2	33.9	39.4	37.3	35.7	32.2
65 years and over . . . . .	36.4	29.7	26.2	38.9	27.7	21.5	25.6	28.5	26.0	16.3	17.3	14.2

See footnotes at end of table.

**Table 61 (page 2 of 2). Current cigarette smoking by persons 18 years of age and over according to sex, race, and age: United States, selected years 1965–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Sex, race, and age</i>	1965	1974	1979	1983	1985	1990	1994	1995	1997 <sup>1</sup>	1998 <sup>1</sup>	1999 <sup>1</sup>	2000 <sup>1</sup>
Percent of persons												
<b>All females</b>												
18–24 years . . . . .	38.1	34.1	33.8	35.5	30.4	22.5	25.2	21.8	25.7	24.5	26.3	25.1
25–34 years . . . . .	43.7	38.8	33.7	32.6	32.0	28.2	28.8	26.4	24.8	24.6	23.5	22.5
35–44 years . . . . .	43.7	39.8	37.0	33.8	31.5	24.8	26.8	27.1	27.2	26.4	26.5	26.2
45–64 years . . . . .	32.0	33.4	30.7	31.0	29.9	24.8	22.8	24.0	21.5	22.5	21.0	21.6
65 years and over . . . . .	9.6	12.0	13.2	13.1	13.5	11.5	11.1	11.5	11.5	11.2	10.7	9.3
<b>White female<sup>3</sup></b>												
18–24 years . . . . .	38.4	34.0	34.5	36.5	31.8	25.4	28.5	24.9	29.4	28.1	29.6	28.7
25–34 years . . . . .	43.4	38.6	34.1	32.2	32.0	28.5	30.2	27.3	26.1	26.9	25.5	25.1
35–44 years . . . . .	43.9	39.3	37.2	34.8	31.0	25.0	27.1	27.0	27.5	26.6	26.9	26.6
45–64 years . . . . .	32.7	33.0	30.6	30.6	29.7	25.4	23.2	24.3	20.9	22.5	21.2	21.4
65 years and over . . . . .	9.8	12.3	13.8	13.2	13.3	11.5	11.1	11.7	11.7	11.2	10.5	9.1
<b>Black or African American female<sup>3</sup></b>												
18–24 years . . . . .	37.1	35.6	31.8	32.0	23.7	10.0	11.8	*8.8	11.5	*8.1	14.8	14.2
25–34 years . . . . .	47.8	42.2	35.2	38.0	36.2	29.1	24.8	26.7	22.5	21.5	18.2	15.5
35–44 years . . . . .	42.8	46.4	37.7	32.7	40.2	25.5	28.2	31.9	30.1	30.0	28.8	30.2
45–64 years . . . . .	25.7	38.9	34.2	36.3	33.4	22.6	23.5	27.5	28.4	25.4	22.3	25.6
65 years and over . . . . .	7.1	*8.9	*8.5	*13.1	14.5	11.1	13.6	13.3	10.7	11.5	13.5	10.2

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent.

<sup>1</sup>See Appendix I, National Health Interview Survey, for discussion of 1997 redesign.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–24 years, 25–34 years, 35–44 years, 45–64 years, 65 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Starting with data year 1999, the categories “White” and “Black or African American” include persons who reported only one racial group consistent with the 1997 Standards for Federal data on race and ethnicity (see Appendix II, Race). Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race, consistent with the 1977 Standards. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, estimates of the age-adjusted percent of current smokers based on the 1977 Standards are: identical for white males and females; 0.1 percentage points higher for black males; and 0.2 percentage points higher for black females. For additional data on cigarette smoking by racial groups, see table 63.

NOTES: The definition of current smoker was revised in 1992 and 1993. See Appendix II, Cigarette smoking. Data for additional years are available (see Appendix III). For more data on cigarette smoking see the National Health Interview Survey home page: [www.cdc.gov/nchs](http://www.cdc.gov/nchs) and click on NHIS.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the core questionnaire (1965) and the following questionnaire supplements: hypertension (1974), smoking (1979), alcohol and health practices (1983), health promotion and disease prevention (1985, 1990–91), cancer control and cancer epidemiology (1992), and year 2000 (1993–95). Starting in 1997 data are from the family core and sample adult questionnaires.

**Table 63 (page 1 of 2). Current cigarette smoking by adults according to sex, race, Hispanic origin, age, and education: United States, average annual 1990–92, 1993–95, and 1999–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Male			Female		
	1990–92	1993–95	1999–2000 <sup>1</sup>	1990–92	1993–95	1999–2000 <sup>1</sup>
18 years of age and over, age adjusted <sup>2</sup>	Percent of persons					
All persons <sup>3</sup> . . . . .	27.9	27.1	25.2	23.7	22.8	21.4
Race <sup>4</sup>						
White only . . . . .	27.4	26.7	25.3	24.3	23.6	22.3
Black or African American only . . . . .	33.9	32.5	27.0	23.1	21.9	20.6
American Indian and Alaska Native only . . . . .	34.2	39.0	30.0	36.7	32.7	37.3
Asian only . . . . .	24.8	24.2	21.5	6.3	7.3	7.1
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*
2 or more races . . . . .	---	---	34.1	---	---	30.4
American Indian and Alaska Native; White . . . . .	---	---	39.3	---	---	36.8
Hispanic origin and race <sup>4</sup>						
Hispanic or Latino . . . . .	25.7	22.8	23.1	15.8	13.8	12.4
Mexican . . . . .	26.2	23.9	22.2	14.8	12.2	10.9
Not Hispanic or Latino . . . . .	#	#	25.6	#	#	22.5
White only . . . . .	27.7	27.2	25.6	25.2	24.7	23.4
Black or African American only . . . . .	33.9	32.5	27.0	23.2	22.1	20.7
18 years of age and over, crude						
All persons <sup>3</sup> . . . . .	28.4	27.6	25.7	23.6	22.7	21.2
Race <sup>4</sup>						
White only . . . . .	27.8	27.1	25.6	24.1	23.3	21.8
Black or African American only . . . . .	33.2	31.6	27.4	23.3	22.0	20.7
American Indian and Alaska Native only . . . . .	35.5	40.7	31.9	37.3	35.4	39.9
Asian only . . . . .	24.9	25.8	22.7	6.3	7.5	7.3
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*
2 or more races . . . . .	---	---	35.1	---	---	30.7
American Indian and Alaska Native; White . . . . .	---	---	40.9	---	---	38.0
Hispanic origin and race <sup>4</sup>						
Hispanic or Latino . . . . .	26.5	24.6	24.1	16.6	14.4	12.8
Mexican . . . . .	27.1	25.4	23.4	15.0	12.6	11.3
Not Hispanic or Latino . . . . .	#	#	25.9	#	#	22.2
White only . . . . .	28.0	27.4	25.7	24.8	24.2	22.7
Black or African American only . . . . .	33.3	31.6	27.3	23.3	22.2	20.8
18–24 years:						
Hispanic or Latino . . . . .	19.3	23.8	22.1	12.8	13.2	13.4
Not Hispanic or Latino:						
White only . . . . .	28.9	31.4	32.2	28.7	29.1	31.5
Black or African American only . . . . .	17.7	17.4	22.0	10.8	9.4	14.6
25–34 years:						
Hispanic or Latino . . . . .	29.9	27.4	24.3	19.2	15.1	12.8
Not Hispanic or Latino:						
White only . . . . .	32.7	31.5	31.2	30.9	30.7	27.2
Black or African American only . . . . .	34.6	28.0	23.1	29.2	25.8	17.0
35–44 years:						
Hispanic or Latino . . . . .	32.1	25.3	27.4	19.9	19.5	14.4
Not Hispanic or Latino:						
White only . . . . .	32.3	32.0	30.2	27.3	27.9	28.2
Black or African American only . . . . .	44.1	39.9	32.9	31.3	30.8	29.4
45–64 years:						
Hispanic or Latino . . . . .	26.6	23.8	26.0	17.1	12.9	13.8
Not Hispanic or Latino:						
White only . . . . .	28.4	27.3	25.0	26.1	24.5	21.9
Black or African American only . . . . .	38.0	39.1	33.8	26.1	24.5	24.0
65 years and over:						
Hispanic or Latino . . . . .	16.1	*12.1	11.9	6.6	*7.1	6.3
Not Hispanic or Latino:						
White only . . . . .	14.2	12.9	9.8	12.3	11.3	10.0
Black or African American only . . . . .	25.2	27.5	15.8	10.7	12.6	11.9

See footnotes at end of table.

**Table 63 (page 2 of 2). Current cigarette smoking by adults according to sex, race, Hispanic origin, age, and education: United States, average annual 1990–92, 1993–95, and 1999–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Male			Female		
	1990–92	1993–95	1999–2000 <sup>1</sup>	1990–92	1993–95	1999–2000 <sup>1</sup>
Education, Hispanic origin, and race <sup>4,5</sup>	Percent of persons					
25 years of age and over, age adjusted <sup>6</sup>						
No high school diploma or GED:						
Hispanic or Latino . . . . .	30.2	24.6	24.3	15.8	13.9	12.2
Not Hispanic or Latino:						
White only . . . . .	46.1	46.6	44.1	40.4	40.8	38.7
Black or African American only. . . . .	45.4	47.3	41.1	31.3	31.7	30.9
High school diploma or GED:						
Hispanic or Latino . . . . .	29.6	24.9	26.5	18.4	16.4	12.9
Not Hispanic or Latino:						
White only . . . . .	32.9	32.0	32.0	28.4	28.6	28.8
Black or African American only. . . . .	38.2	37.3	30.6	25.4	25.0	24.0
Some college or more:						
Hispanic or Latino . . . . .	20.4	17.8	18.6	14.3	10.0	11.4
Not Hispanic or Latino:						
White only . . . . .	19.3	18.6	17.5	18.1	17.4	16.8
Black or African American only. . . . .	25.6	24.3	18.6	22.8	20.1	17.9

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

--- Data not available.

# Estimates calculated upon request.

<sup>1</sup>See Appendix I, National Health Interview Survey, for discussion of 1997 redesign.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–24 years, 25–34 years, 35–44 years, 45–64 years, and 65 years and over. See Appendix II, Age adjustment. For age groups where percent smoking is 0 or 100, the age adjustment procedure was modified to substitute the percent smoking from the previous 3-year period.

<sup>3</sup>Includes all other races not shown separately.

<sup>4</sup>Starting with data years 1999–2000, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data years 1999–2000 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data years 1999–2000, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data years 1999–2000, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data years 1999–2000 are not strictly comparable with estimates for earlier years. To estimate change between 1993–95 and 1999–2000, race-specific estimates for 1999–2000 based on the 1977 Standards can be used. In comparison with the 1999–2000 estimates based on the 1997 Standards, age-adjusted estimates of current smoking by adults 18 years of age and older based on the 1977 Standards are: identical for white males; 0.2 percentage points higher for black males; 1.1 percentage points higher for AI/AN males; 0.9 percentage points higher for Asian males; identical for white females; 0.1 percentage points higher for black females; 1.0 percentage points higher for AI/AN females; and 1.6 percentage points higher for Asian and Pacific Islander females.

<sup>5</sup>Education categories shown are for 1997 and subsequent years. GED stands for General Educational Development high school equivalency diploma. In years prior to 1997 the following categories based on number of years of school completed were used: less than 12 years, 12 years, 13 years or more. See Appendix II, Education.

<sup>6</sup>Estimates are age adjusted to the year 2000 standard using four age groups: 25–34 years, 35–44 years, 45–64 years, and 65 years and over. See Appendix II, Age adjustment.

NOTES: The definition of current smoker was revised in 1992 and 1993. See Appendix II, Cigarette smoking. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the following questionnaire supplements: health promotion and disease prevention (1990–91), cancer control and cancer epidemiology (1992), and year 2000 (1993–95). Starting in 1997 data are from the family core and sample adult questionnaires.



**Table 67 (page 1 of 3). Alcohol consumption by persons 18 years of age and over, according to sex, age, race, and Hispanic origin: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Alcohol consumption, age, race, and Hispanic origin	Both sexes			Male			Female		
	1997	1999	2000	1997	1999	2000	1997	1999	2000
Drinking status <sup>1</sup>	Percent distribution								
18 years and over, age adjusted <sup>2</sup>									
All . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lifetime abstainer . . . . .	21.2	22.5	24.1	14.0	14.8	17.5	27.6	29.3	29.9
Former drinker . . . . .	15.7	15.0	14.4	16.2	15.9	14.9	15.3	14.4	14.2
Infrequent . . . . .	9.0	8.2	8.2	7.7	7.1	7.0	10.1	9.2	9.2
Regular . . . . .	6.7	6.8	6.3	8.5	8.8	7.8	5.2	5.2	5.0
Current drinker . . . . .	63.1	62.5	61.5	69.8	69.3	67.7	57.0	56.3	55.8
Infrequent . . . . .	15.0	14.3	14.7	11.7	11.0	11.1	18.1	17.4	18.2
Regular . . . . .	48.1	48.2	46.7	58.1	58.3	56.6	38.9	38.9	37.7
18 years and over, crude									
All . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lifetime abstainer . . . . .	21.1	22.4	24.0	14.0	14.7	17.5	27.7	29.4	30.1
Former drinker . . . . .	15.5	14.9	14.3	15.6	15.3	14.3	15.4	14.5	14.3
Infrequent . . . . .	8.9	8.1	8.1	7.5	6.9	6.8	10.1	9.3	9.3
Regular . . . . .	6.6	6.7	6.2	8.1	8.4	7.5	5.2	5.2	5.0
Current drinker . . . . .	63.4	62.7	61.7	70.5	70.0	68.2	57.0	56.1	55.6
Infrequent . . . . .	15.0	14.3	14.7	11.7	11.0	11.1	18.1	17.3	18.1
Regular . . . . .	48.4	48.4	46.9	58.8	59.0	57.2	38.8	38.8	37.5
Age	Percent current drinkers among all persons								
All persons:									
18–44 years . . . . .	69.4	69.3	67.4	74.8	75.2	73.0	64.2	63.6	61.9
18–24 years . . . . .	62.2	62.3	59.4	66.7	67.6	64.0	57.7	57.1	54.9
25–44 years . . . . .	71.6	71.5	69.9	77.2	77.6	76.0	66.1	65.6	64.1
45–64 years . . . . .	63.3	62.1	62.0	70.8	68.5	68.1	56.2	56.1	56.3
45–54 years . . . . .	67.1	66.6	65.1	73.8	71.8	70.3	60.7	61.7	60.1
55–64 years . . . . .	57.3	55.0	57.2	65.8	63.2	64.6	49.4	47.6	50.6
65 years and over . . . . .	43.4	42.0	42.1	52.7	52.6	50.0	36.6	34.2	36.2
65–74 years . . . . .	48.6	46.4	46.9	56.7	55.7	52.6	42.0	38.9	42.2
75 years and over . . . . .	36.6	36.6	36.3	46.7	48.3	46.6	30.2	29.0	29.7
Race <sup>2,3</sup>									
White only . . . . .	66.0	65.5	64.6	71.8	71.6	69.7	60.7	60.1	59.9
Black or African American only . . . . .	47.8	46.7	46.8	56.9	54.7	56.2	40.9	40.6	39.4
American Indian and Alaska Native only . . . . .	53.9	49.6	54.2	66.1	56.5	62.6	45.2	43.5	46.9
Asian only . . . . .	45.8	44.9	43.0	60.1	60.0	55.9	31.6	31.3	29.3
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*	*	*	*
2 or more races . . . . .	---	64.5	61.6	---	71.0	70.5	---	56.0	52.7
Hispanic origin and race <sup>2,3</sup>									
Hispanic or Latino . . . . .	53.4	52.5	52.1	64.6	66.1	63.7	42.1	39.8	41.2
Mexican . . . . .	53.0	49.7	50.6	66.9	65.9	64.4	38.9	34.3	36.8
Not Hispanic or Latino . . . . .	#	52.5	52.1	#	66.1	63.7	#	39.8	41.2
White only . . . . .	67.5	67.0	66.0	72.7	72.2	70.4	62.9	62.4	61.9
Black or African American only . . . . .	47.8	46.6	46.8	57.1	54.6	56.4	40.7	40.4	39.3
Geographic region <sup>2</sup>									
Northeast . . . . .	68.7	69.6	68.0	74.4	77.0	73.2	63.8	63.4	63.7
Midwest . . . . .	66.8	66.5	65.6	73.0	71.1	70.7	61.1	62.3	61.1
South . . . . .	56.2	54.8	54.3	63.9	62.7	62.1	49.2	47.7	47.1
West . . . . .	64.9	64.2	62.8	71.5	71.7	68.4	58.9	57.2	57.2
Location of residence <sup>2</sup>									
Within MSA <sup>4</sup> . . . . .	64.7	64.2	63.0	71.0	70.9	69.0	59.1	58.1	57.5
Outside MSA <sup>4</sup> . . . . .	57.4	56.4	56.0	65.7	63.8	62.6	49.5	49.7	50.3

See footnotes at end of table.

**Table 67 (page 2 of 3). Alcohol consumption by persons 18 years of age and over, according to sex, age, race, and Hispanic origin: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Alcohol consumption, age, race, and Hispanic origin	Both sexes			Male			Female		
	1997	1999	2000	1997	1999	2000	1997	1999	2000
Level of alcohol consumption in past year for current drinkers <sup>5</sup>	Percent distribution of current drinkers								
18 years and over, age adjusted <sup>2</sup>									
All drinking levels. . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Light. . . . .	69.6	68.9	70.6	59.5	58.7	60.4	81.0	80.4	82.0
Moderate . . . . .	22.5	23.2	22.2	31.8	32.5	32.0	12.0	12.7	11.5
Heavier. . . . .	7.9	7.9	7.1	8.7	8.7	7.7	7.0	6.9	6.5
18 years and over, crude									
All drinking levels. . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Light. . . . .	69.8	69.2	70.8	59.6	58.9	60.5	81.4	80.7	82.3
Moderate . . . . .	22.3	23.1	22.1	31.7	32.3	31.8	11.7	12.5	11.3
Heavier. . . . .	7.9	7.8	7.1	8.8	8.7	7.7	6.9	6.7	6.4
Number of days in the past year with 5 or more drinks	Percent distribution of current drinkers								
18 years and over, crude									
All current drinkers. . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No days . . . . .	65.9	67.2	68.2	54.7	56.7	56.9	78.6	78.9	80.6
At least 1 day . . . . .	34.1	32.8	31.8	45.3	43.3	43.1	21.4	21.1	19.4
1–11 days . . . . .	18.5	17.4	17.4	22.0	20.8	21.2	14.6	13.6	13.3
12 or more days. . . . .	15.6	15.4	14.4	23.4	22.5	21.9	6.8	7.5	6.1
Hispanic origin, race, and age <sup>3</sup>	Percent of persons with 5 or more drinks on at least one day among current drinkers								
All persons:									
18 years and over, age adjusted <sup>2</sup> . . . . .	32.4	30.9	30.3	43.3	41.2	41.2	20.2	19.7	18.5
18 years and over, crude. . . . .	34.1	32.8	31.8	45.3	43.3	43.1	21.4	21.1	19.4
18–44 years. . . . .	42.4	41.3	40.4	54.6	52.9	52.3	28.7	28.5	27.0
18–24 years . . . . .	51.6	53.3	52.2	61.5	63.4	60.8	40.2	42.0	42.4
25–44 years . . . . .	40.0	38.1	37.1	52.8	50.1	49.9	25.7	24.8	22.8
45–64 years. . . . .	25.3	24.2	23.5	36.1	34.7	35.0	12.9	12.5	10.8
45–54 years . . . . .	28.5	26.5	25.5	40.1	37.1	37.9	15.3	15.1	12.0
55–64 years . . . . .	19.6	19.8	19.9	28.9	30.3	29.9	8.3	7.3	8.7
65 years and over . . . . .	11.2	9.0	9.1	17.8	13.9	14.8	4.4	3.5	3.4
65–74 years . . . . .	13.9	10.9	11.3	21.6	16.5	18.3	5.5	4.5	4.2
75 years and over . . . . .	6.7	6.1	5.8	11.0	9.8	9.5	*2.5	*	*
Race <sup>2,3</sup>									
White only. . . . .	33.3	31.8	31.0	44.4	42.1	41.8	20.9	20.5	19.2
Black or African American only . . . . .	23.6	23.5	23.9	31.7	32.8	34.1	14.9	13.8	12.7
American Indian and Alaska Native only . . . . .	54.5	48.2	45.0	70.5	53.9	47.0	38.4	39.7	34.7
Asian only. . . . .	25.5	20.2	20.3	30.7	25.7	25.4	16.6	12.2	10.8
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*	*	*	*
2 or more races. . . . .	---	44.9	44.0	---	53.0	53.1	---	30.6	31.5
Hispanic origin and race <sup>2,3</sup>									
Hispanic or Latino . . . . .	36.8	32.1	31.9	46.3	42.0	43.0	22.3	16.5	16.0
Mexican. . . . .	39.0	36.8	37.5	50.1	47.2	49.0	20.3	17.3	17.9
Not Hispanic or Latino . . . . .	#	32.1	31.9	#	42.0	43.0	#	16.5	16.0
White only . . . . .	33.2	31.9	31.2	44.5	42.3	42.1	21.0	20.9	19.7
Black or African American only. . . . .	23.4	23.4	23.8	31.7	32.5	33.8	14.4	13.9	12.7

See footnotes at end of table.

**Table 67 (page 3 of 3). Alcohol consumption by persons 18 years of age and over, according to sex, age, race, and Hispanic origin: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Alcohol consumption, age, race, and Hispanic origin	Both sexes			Male			Female		
	1997	1999	2000	1997	1999	2000	1997	1999	2000
Percent of persons with 5 or more drinks on at least one day among current drinkers									
Geographic region <sup>2</sup>									
Northeast . . . . .	31.3	29.9	28.9	43.1	39.3	39.7	18.9	20.1	18.1
Midwest . . . . .	33.8	34.7	33.3	44.7	46.3	44.7	21.6	22.2	21.5
South . . . . .	30.9	27.4	27.4	40.5	36.7	37.1	19.2	16.4	15.6
West . . . . .	33.4	33.0	32.0	44.6	43.3	43.1	20.8	21.4	18.8
Location of residence <sup>2</sup>									
Within MSA <sup>4</sup> . . . . .	31.6	30.6	30.0	42.4	40.7	40.4	19.8	19.4	18.5
Outside MSA <sup>4</sup> . . . . .	34.8	32.5	31.3	45.7	42.3	43.1	21.2	21.1	18.5

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

--- Data not available.

# Estimates calculated upon request.

<sup>1</sup>Drinking status categories are based on self-reported responses to questions about alcohol consumption. See Appendix II, Alcohol consumption. Lifetime abstainers had fewer than 12 drinks in their lifetime. Former drinkers had at least 12 drinks in their lifetime and none in the past year. Former infrequent drinkers are former drinkers who had fewer than 12 drinks in any one year. Former regular drinkers are former drinkers who had at least 12 drinks in any one year. Current drinkers had 12 drinks in their lifetime and at least one drink in the past year. Current infrequent drinkers are current drinkers who had fewer than 12 drinks in the past year. Current regular drinkers are current drinkers who had at least 12 drinks in the past year.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard populations using four age groups: 18–24 years, 25–44 years, 45–64 years, and 65 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1997 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, the age-adjusted percent of persons who are current drinkers based on the 1977 Standards are: identical for white men; 0.3 percentage points higher for black men; 1.6 percentage points higher for AI/AN men; 0.2 percentage points lower for Asian and Pacific Islander men; identical for white women; 0.2 percentage points higher for black women; 1.8 percentage points lower for AI/AN women; and 2.4 percentage points higher for Asian and Pacific Islander women.

<sup>4</sup>MSA is metropolitan statistical area.

<sup>5</sup>Level of alcohol consumption categories are based on self-reported responses to questions about average alcohol consumption and defined as follows: light drinkers: 3 drinks or fewer per week; moderate drinkers: more than 3 drinks and up to 14 drinks per week for men and more than 3 drinks and up to 7 drinks per week for women; heavier drinkers: more than 14 drinks per week for men and more than 7 drinks per week for women. (Most drinking guidelines consider more than 7 drinks per week to be a heavier level of consumption for women. U.S. Department of Agriculture: Dietary Guidelines for Americans, 2000, 5th edition.)

NOTE: Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 68. Hypertension among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race, and Hispanic origin<sup>1</sup></i>	<i>1960–62</i>	<i>1971–74</i>	<i>1976–80<sup>2</sup></i>	<i>1988–94<sup>3</sup></i>	<i>1999–2000<sup>3</sup></i>
Percent of population (standard error)					
20 years and over, age adjusted <sup>4,5</sup> . . . . .	---	---	---	27.8 (0.6)	32.8 (1.5)
20 years and over, crude <sup>5</sup> . . . . .	---	---	---	26.3 (0.8)	32.2 (1.5)
20–74 years, age adjusted <sup>4</sup>					
Both sexes <sup>5</sup> . . . . .	38.1	39.8	40.4	23.9 (0.6)	28.7 (1.6)
Male . . . . .	41.3	43.9	45.2	26.4 (0.9)	29.8 (1.9)
Female <sup>5</sup> . . . . .	35.0	35.8	35.8	21.4 (0.7)	27.5 (1.7)
White male . . . . .	40.5	43.1	44.6	25.5 (0.9)	---
White female <sup>5</sup> . . . . .	32.8	33.6	33.9	19.7 (0.7)	---
Black male . . . . .	49.7	55.0	50.7	36.4 (1.2)	---
Black female <sup>5</sup> . . . . .	53.5	53.1	50.8	35.9 (0.9)	---
White, non-Hispanic male . . . . .	---	---	45.0	25.6 (1.0)	28.9 (2.0)
White, non-Hispanic female <sup>5</sup> . . . . .	---	---	33.7	19.7 (0.8)	24.7 (2.0)
Black, non-Hispanic male . . . . .	---	---	50.7	36.5 (1.0)	38.0 (2.9)
Black, non-Hispanic female <sup>5</sup> . . . . .	---	---	51.1	36.4 (0.9)	41.0 (2.4)
Mexican male . . . . .	---	---	25.6	25.9 (1.2)	30.6 (2.6)
Mexican female <sup>5</sup> . . . . .	---	---	22.5	22.3 (1.0)	25.0 (1.8)
20–74 years, crude					
Both sexes <sup>5</sup> . . . . .	39.0	39.7	39.7	23.0 (0.7)	28.8 (1.5)
Male . . . . .	41.7	43.3	44.0	24.6 (1.0)	28.9 (1.7)
Female <sup>5</sup> . . . . .	36.6	36.5	35.6	21.4 (0.7)	28.6 (1.7)
White male . . . . .	41.0	42.8	43.8	24.2 (1.0)	---
White female <sup>5</sup> . . . . .	34.9	34.9	34.2	20.4 (0.8)	---
Black male . . . . .	50.5	52.1	47.4	31.4 (1.3)	---
Black female <sup>5</sup> . . . . .	52.0	50.2	46.1	30.4 (1.2)	---
White, non-Hispanic male . . . . .	---	---	44.3	24.9 (1.1)	29.5 (1.8)
White, non-Hispanic female <sup>5</sup> . . . . .	---	---	34.4	20.9 (0.9)	27.3 (2.0)
Black, non-Hispanic male . . . . .	---	---	47.5	31.5 (1.2)	33.4 (3.0)
Black, non-Hispanic female <sup>5</sup> . . . . .	---	---	46.1	31.1 (1.2)	38.1 (3.1)
Mexican male . . . . .	---	---	18.8	17.9 (1.3)	22.8 (2.7)
Mexican female <sup>5</sup> . . . . .	---	---	16.7	15.7 (0.8)	19.7 (2.1)
Male					
20–34 years . . . . .	22.8	24.8	28.9	8.6 (1.0)	*11.8 (2.6)
35–44 years . . . . .	37.7	39.1	40.5	20.8 (1.7)	19.2 (2.8)
45–54 years . . . . .	47.6	55.0	53.6	34.0 (2.2)	36.9 (3.3)
55–64 years . . . . .	60.3	62.5	61.8	42.9 (2.6)	50.7 (4.3)
65–74 years . . . . .	68.8	67.2	67.1	57.3 (2.5)	68.3 (4.9)
75 years and over . . . . .	---	---	---	64.2 (2.2)	70.7 (3.2)
Female <sup>4</sup>					
20–34 years . . . . .	9.3	11.2	11.1	3.3 (0.6)	*3.1 (0.9)
35–44 years . . . . .	24.0	28.2	28.8	12.6 (1.1)	18.6 (2.9)
45–54 years . . . . .	43.4	43.6	47.1	25.1 (2.1)	33.4 (3.4)
55–64 years . . . . .	66.4	62.5	61.1	44.1 (2.5)	57.9 (3.2)
65–74 years . . . . .	81.5	78.3	71.8	60.6 (1.6)	73.4 (3.5)
75 years and over . . . . .	---	---	---	76.5 (1.7)	84.9 (3.2)

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent.

--- Data not available.

<sup>1</sup>The race groups, white and black, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race.

<sup>2</sup>Data for Mexicans are for 1982–84. See Appendix I.

<sup>3</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.

<sup>4</sup>Age adjusted to the 2000 standard population using 5 age groups except for 1999–2000 estimates, which are age adjusted using 3 age groups (20–39, 40–59, and 60–74 or 60 and over) due to a smaller sample size; however, use of 3 rather than 5 groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.

<sup>5</sup>Excludes pregnant women.

NOTES: A person with hypertension is defined by either having elevated blood pressure (systolic pressure of at least 140 mmHg or diastolic pressure of at least 90 mmHg) or taking antihypertensive medication. Percents are based on a single measurement of blood pressure to provide comparable data across the 5 time periods. Some data for 1988–94 have been revised and differ from the previous edition of *Health, United States*.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).

**Table 69 (page 1 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race, and Hispanic origin<sup>1</sup></i>	<i>1960–62</i>	<i>1971–74</i>	<i>1976–80<sup>2</sup></i>	<i>1988–94<sup>3</sup></i>	<i>1999–2000<sup>3</sup></i>
Percent of population with high serum cholesterol (standard error)					
20 years and over, age adjusted <sup>4</sup> . . . . .	---	---	---	20.8 (0.6)	18.3 (0.8)
20 years and over, crude . . . . .	---	---	---	19.6 (0.6)	17.8 (0.9)
20–74 years, age adjusted <sup>4</sup>					
Both sexes . . . . .	33.3	28.6	27.8	19.7 (0.6)	18.0 (0.9)
Male . . . . .	30.6	27.9	26.4	18.8 (0.8)	17.7 (1.1)
Female . . . . .	35.6	29.1	28.8	20.5 (0.8)	18.2 (1.3)
White male . . . . .	31.3	27.9	26.4	19.1 (0.9)	---
White female . . . . .	36.2	28.9	29.2	20.7 (0.9)	---
Black male . . . . .	26.0	26.6	25.8	16.4 (1.0)	---
Black female . . . . .	31.8	30.5	26.2	19.5 (0.8)	---
White, non-Hispanic male . . . . .	---	---	26.4	18.7 (0.9)	18.2 (1.4)
White, non-Hispanic female . . . . .	---	---	29.6	20.7 (1.0)	19.4 (1.7)
Black, non-Hispanic male . . . . .	---	---	25.5	16.4 (1.0)	10.6 (2.1)
Black, non-Hispanic female . . . . .	---	---	26.3	19.9 (0.8)	16.5 (2.5)
Mexican male . . . . .	---	---	20.3	18.7 (1.5)	17.8 (1.9)
Mexican female . . . . .	---	---	20.5	17.7 (1.2)	13.1 (1.3)
20–74 years, crude					
Both sexes . . . . .	33.6	28.2	26.8	18.7 (0.6)	17.6 (0.9)
Male . . . . .	30.7	26.8	24.9	17.6 (0.7)	17.1 (1.1)
Female . . . . .	36.3	29.6	28.5	19.9 (0.8)	18.0 (1.3)
White male . . . . .	31.4	26.9	25.0	18.1 (0.8)	---
White female . . . . .	37.5	29.8	29.2	20.5 (1.0)	---
Black male . . . . .	26.7	25.1	23.9	14.4 (0.9)	---
Black female . . . . .	29.9	28.8	23.7	16.8 (0.8)	---
White, non-Hispanic male . . . . .	---	---	25.1	17.9 (0.8)	18.0 (1.4)
White, non-Hispanic female . . . . .	---	---	29.8	20.9 (1.1)	19.7 (1.7)
Black, non-Hispanic male . . . . .	---	---	23.7	14.5 (1.0)	*10.1 (2.1)
Black, non-Hispanic female . . . . .	---	---	23.7	17.2 (0.8)	15.0 (2.3)
Mexican male . . . . .	---	---	16.6	15.5 (1.3)	14.8 (2.0)
Mexican female . . . . .	---	---	16.5	14.0 (1.1)	11.1 (1.3)
Male					
20–34 years . . . . .	15.1	12.4	11.9	8.2 (0.9)	11.0 (1.5)
35–44 years . . . . .	33.9	31.8	27.9	19.4 (1.6)	21.1 (3.3)
45–54 years . . . . .	39.2	37.5	36.9	26.6 (2.3)	22.9 (3.4)
55–64 years . . . . .	41.6	36.2	36.8	28.0 (2.1)	16.5 (2.4)
65–74 years . . . . .	38.0	34.7	31.7	21.9 (2.2)	19.2 (2.8)
75 years and over . . . . .	---	---	---	20.4 (1.8)	*10.1 (2.1)
Female					
20–34 years . . . . .	12.4	10.9	9.8	7.3 (1.0)	9.3 (1.4)
35–44 years . . . . .	23.1	19.3	20.7	12.3 (1.3)	12.8 (2.5)
45–54 years . . . . .	46.9	38.7	40.5	26.7 (2.1)	23.7 (4.2)
55–64 years . . . . .	70.1	53.1	52.9	40.9 (1.9)	26.2 (3.1)
65–74 years . . . . .	68.5	57.7	51.6	41.3 (2.4)	37.4 (4.0)
75 years and over . . . . .	---	---	---	38.2 (2.2)	27.6 (2.5)

See footnotes at end of table.

**Table 69 (page 2 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000 (updated on 11/13/2002)**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

Sex, age, race, and Hispanic origin <sup>1</sup>	1960–62	1971–74	1976–80 <sup>2</sup>	1988–94 <sup>3</sup>	1999–2000 <sup>3</sup>
Mean serum cholesterol level, mg/dL (standard error)					
20 years and over, age adjusted <sup>4</sup> . . . . .	---	---	---	206 (0.7)	204 (0.9)
20 years and over, crude <sup>5</sup> . . . . .	---	---	---	204 (0.8)	203 (1.0)
20–74 years, age adjusted <sup>3</sup>					
Both sexes . . . . .	222	216	215	205 (0.8)	204 (1.0)
Male . . . . .	220	216	213	204 (0.9)	204 (1.2)
Female . . . . .	224	217	216	205 (0.8)	203 (1.4)
White male . . . . .	221	216	213	204 (1.0)	---
White female . . . . .	225	217	216	206 (1.0)	---
Black male . . . . .	213	214	211	201 (1.3)	---
Black female . . . . .	218	219	215	204 (0.6)	---
White, non-Hispanic male . . . . .	---	---	213	204 (1.0)	204 (1.7)
White, non-Hispanic female . . . . .	---	---	216	206 (1.1)	206 (1.7)
Black, non-Hispanic male . . . . .	---	---	211	201 (1.3)	191 (2.4)
Black, non-Hispanic female . . . . .	---	---	216	204 (0.6)	200 (2.8)
Mexican male . . . . .	---	---	209	206 (1.6)	207 (1.7)
Mexican female . . . . .	---	---	209	204 (1.3)	198 (2.0)
20–74 years, crude					
Both sexes . . . . .	222	216	213	203 (0.8)	203 (1.1)
Male . . . . .	220	214	211	202 (1.0)	203 (1.2)
Female . . . . .	225	217	215	204 (0.9)	203 (1.5)
White male . . . . .	221	215	211	203 (1.0)	---
White female . . . . .	227	217	216	205 (1.1)	---
Black male . . . . .	214	212	208	198 (1.3)	---
Black female . . . . .	216	216	212	199 (0.7)	---
White, non-Hispanic male . . . . .	---	---	211	203 (1.1)	204 (1.7)
White, non-Hispanic female . . . . .	---	---	216	206 (1.2)	206 (1.7)
Black, non-Hispanic male . . . . .	---	---	208	198 (1.3)	190 (2.6)
Black, non-Hispanic female . . . . .	---	---	212	200 (0.7)	197 (2.8)
Mexican male . . . . .	---	---	203	200 (1.6)	203 (1.8)
Mexican female . . . . .	---	---	202	197 (1.4)	194 (2.1)
Male					
20–34 years . . . . .	198	194	192	186 (1.2)	189 (2.0)
35–44 years . . . . .	227	221	217	206 (1.6)	205 (2.8)
45–54 years . . . . .	231	229	227	216 (1.8)	215 (2.9)
55–64 years . . . . .	233	229	229	216 (2.2)	210 (2.5)
65–74 years . . . . .	230	226	221	212 (1.9)	210 (2.6)
75 years and over . . . . .	---	---	---	205 (1.9)	194 (2.4)
Female					
20–34 years . . . . .	194	191	189	184 (1.3)	186 (2.2)
35–44 years . . . . .	214	207	207	195 (1.4)	197 (2.1)
45–54 years . . . . .	237	232	232	217 (2.3)	213 (3.1)
55–64 years . . . . .	262	245	249	235 (1.6)	223 (2.8)
65–74 years . . . . .	266	250	246	233 (1.9)	229 (3.2)
75 years and over . . . . .	---	---	---	229 (2.0)	219 (2.5)

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent.

--- Data not available.

<sup>1</sup>The race groups, white and black, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race.

<sup>2</sup>Data for Mexicans are for 1982–84. See Appendix I.

<sup>3</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.

<sup>4</sup>Age adjusted to the 2000 standard population using 5 age groups except for 1999–2000 estimates, which are age adjusted using 3 age groups (20–39, 40–59, and 60–74 or 60 and over) due to a smaller sample size; however, use of 3 rather than 5 groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.

NOTES: High serum cholesterol is defined as greater than or equal to 240 mg/dL (6.20 mmol/L). Risk levels have been defined by the Second report of the National Cholesterol Education Program Expert Panel on Detection, Evaluation and Treatment of High Blood Cholesterol in Adults. National Heart, Lung, and Blood Institute, National Institutes of Health. September 1993. (Summarized in *JAMA* 269(23):3015–23. June 16, 1993.)

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).



**Table 70 (page 1 of 2). Healthy weight, overweight, and obesity among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

[Data are based on measured height and weight of a sample of the civilian noninstitutionalized population]

Sex, age, race, and Hispanic origin <sup>1</sup>	Overweight <sup>2</sup>					Obesity <sup>3</sup>				
	1960–62	1971–74	1976–80 <sup>4</sup>	1988–94 <sup>5</sup>	1999–2000 <sup>6</sup>	1960–62	1971–74	1976–80 <sup>4</sup>	1988–94 <sup>5</sup>	1999–2000 <sup>6</sup>
Percent of population (standard error)										
20 years and over, age adjusted <sup>6,7,8</sup> . . . . .	---	---	---	56.0 (0.8)	64.5 (1.4)	---	---	---	22.9 (0.7)	30.5 (1.4)
20 years and over, crude <sup>7,8</sup> . . . . .	---	---	---	54.9 (0.8)	64.1 (1.4)	---	---	---	22.3 (0.6)	30.3 (1.4)
20–74 years, age adjusted <sup>6</sup>										
Both sexes <sup>7,8</sup> . . . . .	44.8	47.7	47.4	56.0 (0.9)	64.5 (1.5)	13.3	14.6	15.1	23.3 (0.7)	30.9 (1.6)
Male . . . . .	49.5	54.7	52.9	61.0 (1.0)	67.0 (1.5)	10.7	12.2	12.8	20.6 (0.7)	27.7 (1.7)
Female <sup>7</sup> . . . . .	40.2	41.1	42.0	51.2 (1.1)	62.0 (2.0)	15.7	16.8	17.1	26.0 (1.0)	34.0 (2.0)
White male . . . . .	50.2	55.4	53.8	62.3 (1.1)	---	10.5	11.8	12.5	21.0 (0.8)	---
White female <sup>7</sup> . . . . .	37.5	38.8	39.4	49.4 (1.2)	---	14.2	15.4	15.5	24.3 (1.1)	---
Black male . . . . .	43.9	50.4	51.4	58.0 (1.3)	---	14.0	16.8	16.7	21.1 (1.0)	---
Black female <sup>7</sup> . . . . .	59.2	60.5	63.2	68.5 (1.4)	---	26.8	29.7	31.3	39.0 (1.4)	---
White, non-Hispanic male . . . . .	---	---	53.4	61.6 (1.2)	67.5 (2.0)	---	---	12.4	20.7 (0.9)	27.7 (2.0)
White, non-Hispanic female <sup>7</sup> . . . . .	---	---	38.7	47.2 (1.4)	57.5 (2.6)	---	---	15.4	23.3 (1.2)	30.6 (2.2)
Black, non-Hispanic male . . . . .	---	---	51.3	58.2 (1.2)	60.1 (2.3)	---	---	16.5	21.3 (1.0)	28.8 (2.4)
Black, non-Hispanic female <sup>7</sup> . . . . .	---	---	62.6	68.5 (1.4)	78.0 (1.9)	---	---	31.0	39.1 (1.4)	50.8 (2.8)
Mexican male . . . . .	---	---	61.6	69.4 (1.1)	74.4 (2.8)	---	---	15.7	24.4 (1.1)	29.4 (2.5)
Mexican female <sup>7</sup> . . . . .	---	---	61.7	69.6 (1.7)	71.8 (2.5)	---	---	26.6	36.1 (1.4)	40.1 (3.8)
20–74 years, crude										
Both sexes <sup>7,8</sup> . . . . .	45.2	47.0	46.4	55.0 (0.9)	64.3 (1.4)	13.5	14.4	14.7	22.7 (0.7)	30.8 (1.5)
Male . . . . .	49.4	53.5	51.5	59.6 (1.0)	66.5 (1.5)	10.7	12.0	12.3	19.9 (0.7)	27.5 (1.7)
Female <sup>7</sup> . . . . .	41.2	41.0	41.6	50.5 (1.1)	62.0 (2.0)	16.1	16.7	16.8	25.5 (1.0)	34.0 (2.0)
White male . . . . .	50.2	54.3	52.5	61.1 (1.2)	---	10.4	11.7	12.1	20.4 (0.8)	---
White female <sup>7</sup> . . . . .	38.9	39.1	39.4	49.0 (1.3)	---	14.7	15.4	15.3	24.0 (1.2)	---
Black male . . . . .	43.9	49.3	48.5	56.7 (1.3)	---	14.1	16.0	15.0	20.9 (0.9)	---
Black female <sup>7</sup> . . . . .	58.8	58.2	60.0	65.9 (1.6)	---	26.6	28.7	29.8	37.0 (1.4)	---
White, non-Hispanic male . . . . .	---	---	52.2	60.8 (1.2)	67.6 (1.9)	---	---	12.0	20.3 (0.9)	27.8 (2.0)
White, non-Hispanic female <sup>7</sup> . . . . .	---	---	38.9	47.1 (1.4)	58.1 (2.7)	---	---	15.2	23.1 (1.2)	30.9 (2.2)
Black, non-Hispanic male . . . . .	---	---	48.4	57.0 (1.2)	58.6 (2.4)	---	---	14.9	21.1 (1.0)	28.5 (2.7)
Black, non-Hispanic female <sup>7</sup> . . . . .	---	---	59.4	66.2 (1.5)	77.2 (2.1)	---	---	29.5	37.2 (1.4)	50.3 (2.8)
Mexican male . . . . .	---	---	57.0	64.0 (1.5)	71.9 (3.7)	---	---	14.6	20.7 (1.3)	29.6 (2.9)
Mexican female <sup>7</sup> . . . . .	---	---	57.4	66.2 (1.5)	69.5 (3.1)	---	---	23.8	33.6 (1.3)	38.1 (4.2)
Male										
20–34 years . . . . .	42.7	42.8	41.2	47.5 (1.4)	58.0 (2.5)	9.2	9.7	8.9	14.1 (1.0)	24.1 (1.9)
35–44 years . . . . .	53.5	63.2	57.2	65.5 (1.7)	67.6 (2.7)	12.1	13.5	13.5	21.5 (1.2)	25.2 (3.0)
45–54 years . . . . .	53.9	59.7	60.2	66.1 (2.1)	71.3 (3.5)	12.5	13.7	16.7	23.2 (1.7)	30.1 (4.4)
55–64 years . . . . .	52.2	58.5	60.2	70.5 (2.1)	72.5 (3.5)	9.2	14.1	14.1	27.2 (2.2)	32.9 (4.1)
65–74 years . . . . .	47.8	54.6	54.2	68.5 (2.1)	77.2 (3.6)	10.4	10.9	13.2	24.1 (1.8)	33.4 (3.9)
75 years and over . . . . .	---	---	---	56.5 (2.0)	66.4 (3.5)	---	---	---	13.2 (2.1)	20.4 (2.8)
Female <sup>7</sup>										
20–34 years . . . . .	21.2	25.8	27.9	37.0 (1.4)	51.5 (2.8)	7.2	9.7	11.0	18.5 (1.1)	25.8 (2.6)
35–44 years . . . . .	37.2	40.5	40.7	49.6 (2.4)	63.6 (4.1)	14.7	17.7	17.8	25.5 (2.1)	33.9 (3.0)
45–54 years . . . . .	49.3	49.0	48.7	60.3 (2.5)	64.7 (3.7)	20.3	18.9	19.6	32.4 (1.9)	38.1 (4.1)
55–64 years . . . . .	59.9	54.5	53.7	66.3 (1.6)	73.1 (3.7)	24.4	24.1	22.9	33.7 (1.8)	43.1 (4.2)
65–74 years . . . . .	60.9	55.9	59.5	60.3 (1.8)	70.1 (4.0)	23.2	22.0	21.5	26.9 (1.5)	38.8 (3.8)
75 years and over . . . . .	---	---	---	52.3 (1.5)	59.6 (3.7)	---	---	---	19.2 (1.3)	25.1 (4.0)

See footnotes at end of table.

**Table 70 (page 2 of 2). Healthy weight, overweight, and obesity among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

[Data are based on measured height and weight of a sample of the civilian noninstitutionalized population]

Sex, age, race, and Hispanic origin <sup>1</sup>	Healthy weight <sup>9</sup>				
	1960–62	1971–74	1976–80 <sup>4</sup>	1988–94 <sup>5</sup>	1999–2000 <sup>6</sup>
Percent of population (standard error)					
20 years and over, age adjusted <sup>6,7,8</sup> . . . . .	---	---	---	41.6 (0.8)	33.5 (1.3)
20 years and over, crude <sup>7,8</sup> . . . . .	---	---	---	42.6 (0.8)	33.9 (1.3)
20–74 years, age adjusted <sup>6</sup>					
Both sexes <sup>7,8</sup> . . . . .	51.2	48.8	49.6	41.7 (0.9)	33.6 (1.4)
Male . . . . .	48.3	43.0	45.4	37.9 (1.0)	31.8 (1.5)
Female <sup>7</sup> . . . . .	54.1	54.3	53.7	45.3 (1.1)	35.3 (2.0)
White male . . . . .	47.6	42.4	44.8	36.7 (1.1)	---
White female <sup>7</sup> . . . . .	56.5	56.6	56.1	47.2 (1.3)	---
Black male . . . . .	53.2	47.3	46.4	40.3 (1.3)	---
Black female <sup>7</sup> . . . . .	36.0	34.9	34.4	28.6 (1.2)	---
White, non-Hispanic male . . . . .	---	---	45.3	37.4 (1.2)	31.1 (2.0)
White, non-Hispanic female <sup>7</sup> . . . . .	---	---	56.7	49.2 (1.4)	38.8 (2.6)
Black, non-Hispanic male . . . . .	---	---	46.6	40.0 (1.2)	38.4 (2.3)
Black, non-Hispanic female <sup>7</sup> . . . . .	---	---	35.0	28.9 (1.2)	21.7 (1.9)
Mexican male . . . . .	---	---	37.1	29.8 (1.1)	25.0 (2.7)
Mexican female <sup>7</sup> . . . . .	---	---	36.4	29.0 (1.7)	26.9 (2.6)
20–74 years, crude					
Both sexes <sup>7,8</sup> . . . . .	50.8	49.3	50.5	42.6 (0.9)	33.7 (1.4)
Male . . . . .	48.3	44.1	46.8	39.3 (1.1)	32.2 (1.5)
Female <sup>7</sup> . . . . .	53.2	54.1	53.9	45.9 (1.1)	35.2 (1.9)
White male . . . . .	47.6	43.4	46.1	37.8 (1.2)	---
White female <sup>7</sup> . . . . .	55.4	56.1	55.9	47.5 (1.3)	---
Black male . . . . .	53.5	48.5	49.5	41.7 (1.3)	---
Black female <sup>7</sup> . . . . .	36.4	36.5	37.2	30.9 (1.3)	---
White, non-Hispanic male . . . . .	---	---	46.4	38.1 (1.3)	31.0 (1.9)
White, non-Hispanic female <sup>7</sup> . . . . .	---	---	56.4	49.2 (1.4)	38.3 (2.6)
Black, non-Hispanic male . . . . .	---	---	49.6	41.4 (1.2)	39.8 (2.4)
Black, non-Hispanic female <sup>7</sup> . . . . .	---	---	37.7	31.1 (1.4)	22.4 (2.1)
Mexican male . . . . .	---	---	41.6	35.2 (1.5)	27.4 (3.6)
Mexican female <sup>7</sup> . . . . .	---	---	40.1	32.1 (1.5)	29.1 (3.3)
Male					
20–34 years . . . . .	55.3	54.7	57.1	51.1 (1.5)	39.8 (2.5)
35–44 years . . . . .	45.2	35.2	41.3	33.4 (1.7)	31.4 (2.7)
45–54 years . . . . .	44.8	38.5	38.7	33.6 (2.0)	28.7 (3.5)
55–64 years . . . . .	44.9	38.3	38.7	28.6 (2.1)	26.5 (3.2)
65–74 years . . . . .	46.2	42.1	42.3	30.1 (2.2)	21.5 (3.3)
75 years and over . . . . .	---	---	---	40.9 (1.9)	32.7 (3.4)
Female <sup>7</sup>					
20–34 years . . . . .	67.6	65.8	65.0	57.9 (1.3)	43.9 (2.5)
35–44 years . . . . .	58.4	56.7	55.6	47.1 (2.5)	33.6 (4.0)
45–54 years . . . . .	47.6	49.3	48.7	37.2 (2.3)	33.3 (3.8)
55–64 years . . . . .	38.1	41.1	43.5	31.5 (1.5)	26.9 (3.7)
65–74 years . . . . .	36.4	40.6	37.8	37.0 (2.0)	27.7 (3.9)
75 years and over . . . . .	---	---	---	43.0 (1.6)	37.4 (3.7)

--- Data not available. <sup>1</sup>The race groups, white and black, include persons of Hispanic and non-Hispanic origin.

<sup>2</sup>Body mass index (BMI) greater than or equal to 25.

<sup>3</sup>BMI greater than or equal to 30.

<sup>4</sup>Data for Mexicans are for 1982–84. See Appendix I, National Health and Nutrition Examination Survey (NHANES).

<sup>5</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.

<sup>6</sup>Age adjusted to the 2000 standard population using 5 age groups except for 1999–2000 estimates, which are age adjusted using 3 age groups (20–39, 40–59, and 60–74 or 60 and over) due to a smaller sample size; however, use of 3 rather than 5 groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.

<sup>7</sup>Excludes pregnant women.

<sup>8</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

<sup>9</sup>BMI of 18.5 to less than 25 kilograms/meter<sup>2</sup> (see Appendix II, Body mass index).

NOTES: Percents do not sum to 100 because the percent of persons with BMI less than 18.5 is not shown and the percent of persons with obesity is a subset of the percent with overweight. Height was measured without shoes; two pounds were deducted from data for 1960–62 to allow for weight of clothing. Some data for 1988–94 have been revised and differ from the previous edition of *Health, United States*.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).

**Table 72 (page 1 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of health care visits <sup>1</sup>											
	None			1–3 visits			4–9 visits			10 or more visits		
	1997	1999	2000	1997	1999	2000	1997	1999	2000	1997	1999	2000
All persons <sup>2,3</sup>	16.5	17.5	16.6	46.2	45.8	45.4	23.6	23.3	24.7	13.7	13.4	13.3
Age	Percent distribution											
Under 18 years	11.8	12.4	12.2	54.1	54.4	53.7	25.2	25.0	26.4	8.9	8.2	7.7
Under 6 years	5.0	5.9	6.3	44.9	45.9	44.3	37.0	36.8	38.3	13.0	11.3	11.2
6–17 years	15.3	15.5	15.1	58.7	58.5	58.2	19.3	19.4	20.7	6.8	6.7	6.0
18–44 years	21.7	24.2	23.2	46.7	45.8	45.3	19.0	17.8	19.2	12.6	12.3	12.2
18–24 years	22.0	24.8	24.3	46.8	46.1	45.6	20.0	17.8	18.8	11.2	11.4	11.2
25–44 years	21.6	24.0	22.9	46.7	45.7	45.2	18.7	17.8	19.3	13.0	12.6	12.6
45–64 years	16.9	16.9	15.0	42.9	42.4	43.4	24.7	25.0	25.7	15.5	15.7	15.8
45–54 years	17.9	18.4	16.4	43.9	43.2	45.3	23.4	22.8	23.7	14.8	15.7	14.6
55–64 years	15.3	14.7	12.8	41.3	41.1	40.6	26.7	28.4	28.8	16.7	15.8	17.8
65 years and over	8.9	7.9	7.6	34.7	34.3	32.1	32.5	34.1	36.6	23.8	23.7	23.7
65–74 years	9.8	8.6	9.0	36.9	36.9	34.5	31.6	33.2	34.4	21.6	21.3	22.1
75 years and over	7.7	7.2	5.8	31.8	31.1	29.3	33.8	35.1	39.3	26.6	26.6	25.6
Sex <sup>3</sup>												
Male	21.3	23.1	21.5	47.1	45.5	46.0	20.6	20.6	22.4	11.0	10.8	10.1
Female	11.8	12.0	11.9	45.4	46.1	44.8	26.5	25.9	27.0	16.3	15.9	16.4
Race <sup>3,4</sup>												
White only	16.0	16.9	16.0	46.1	45.7	45.1	23.9	23.8	25.3	14.0	13.6	13.7
Black or African American only	16.8	18.4	17.3	46.1	46.2	46.7	23.2	21.9	23.4	13.9	13.5	12.6
American Indian and Alaska Native only	17.1	20.6	21.2	38.0	34.3	42.9	24.2	27.8	20.0	20.7	17.2	15.8
Asian only	22.8	23.1	20.2	49.1	47.3	49.2	19.7	19.4	20.9	8.3	10.2	9.7
Native Hawaiian and Other Pacific Islander only	*	*	*	*	*	*	*	*	*	*	*	*
2 or more races	---	15.2	12.1	---	40.8	41.6	---	22.2	28.3	---	21.8	17.9
Hispanic origin and race <sup>3,4</sup>												
Hispanic or Latino	24.9	26.2	26.5	42.3	44.3	41.8	20.3	19.2	20.0	12.5	10.3	11.7
Mexican	28.9	30.2	30.7	40.8	43.0	40.9	18.5	18.2	18.0	11.8	8.7	10.4
Not Hispanic or Latino	#	16.2	15.2	#	46.0	45.8	#	23.9	25.3	#	13.9	13.6
White only	14.7	15.5	14.5	46.6	46.0	45.4	24.4	24.5	26.0	14.3	14.1	14.1
Black or African American only	16.9	18.4	17.2	46.1	46.2	46.9	23.1	21.9	23.4	13.8	13.5	12.6
Respondent-assessed health status <sup>3</sup>												
Fair or poor	7.8	9.8	8.8	23.3	25.9	21.9	29.0	24.3	27.4	39.9	40.1	41.9
Good to excellent	17.2	18.1	17.2	48.4	47.7	47.6	23.3	23.2	24.6	11.1	11.0	10.6
Poverty status <sup>3,5</sup>												
Poor	20.3	21.5	21.9	37.1	39.2	36.9	22.7	21.3	23.3	19.9	18.1	17.9
Near poor	19.9	22.2	21.4	42.8	41.5	41.9	21.8	21.6	22.1	15.5	14.7	14.7
Nonpoor	14.0	14.9	13.7	48.0	47.0	46.6	25.0	25.0	26.3	13.0	13.1	13.3

See footnotes at end of table.

**Table 72 (page 2 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of health care visits <sup>1</sup>											
	None			1–3 visits			4–9 visits			10 or more visits		
	1997	1999	2000	1997	1999	2000	1997	1999	2000	1997	1999	2000
Hispanic origin and race and poverty status <sup>3,4,5</sup>												
Percent distribution												
Hispanic or Latino:												
Poor . . . . .	30.6	31.2	32.0	33.8	38.2	33.1	20.0	18.7	18.9	15.6	11.8	16.1
Near poor . . . . .	29.1	30.2	30.1	39.0	42.1	40.8	20.9	17.5	17.6	11.0	10.1	11.6
Nonpoor . . . . .	18.7	21.0	20.9	48.6	46.8	45.1	20.3	21.9	23.3	12.3	10.2	10.7
Not Hispanic or Latino:												
White only:												
Poor . . . . .	16.3	17.2	18.5	37.7	38.9	36.0	24.0	23.3	25.4	22.1	20.7	20.1
Near poor . . . . .	17.1	19.8	18.5	43.7	40.8	40.4	22.3	23.3	24.1	17.0	16.1	16.9
Nonpoor . . . . .	13.2	14.0	12.7	47.6	46.9	46.3	25.7	25.5	27.0	13.4	13.6	14.0
Black or African American only:												
Poor . . . . .	17.8	18.0	18.2	37.4	39.9	40.3	23.3	23.1	24.6	21.5	19.0	16.8
Near poor . . . . .	18.9	19.9	20.4	43.0	44.0	44.6	23.4	20.5	20.8	14.7	15.6	14.2
Nonpoor . . . . .	15.6	16.3	14.3	50.5	48.2	49.9	23.3	23.7	24.8	10.6	11.8	11.0
Health insurance status <sup>6,7</sup>												
Under 65 years of age:												
Insured . . . . .	14.3	15.4	14.1	49.0	48.6	48.5	23.6	23.2	24.7	13.1	12.7	12.7
Private . . . . .	14.8	15.9	14.4	50.8	50.1	50.2	23.0	22.9	24.3	11.4	11.1	11.0
Medicaid . . . . .	9.7	10.5	10.4	35.0	35.4	33.0	27.1	26.1	26.7	28.2	28.0	29.9
Uninsured . . . . .	33.7	37.3	36.6	42.8	41.6	42.2	15.3	13.2	13.9	8.2	7.9	7.3
65 years of age and over:												
Private . . . . .	7.4	6.5	6.1	36.0	34.8	32.5	33.7	35.0	38.4	22.9	23.7	23.0
Medicaid . . . . .	10.2	*7.0	6.7	21.0	23.9	19.3	28.1	32.7	32.1	40.7	36.4	41.9
Medicare only . . . . .	13.0	10.7	9.9	35.0	35.3	35.9	31.0	32.8	34.6	21.1	21.1	19.6
Poverty status and health insurance status <sup>5,6,7</sup>												
Under 65 years of age:												
Poor:												
Insured . . . . .	13.7	14.6	15.3	38.8	41.4	38.9	24.5	23.2	25.8	22.9	20.7	20.1
Uninsured . . . . .	36.7	39.8	37.9	38.8	39.3	39.3	14.9	12.6	13.1	9.5	8.3	9.6
Near poor:												
Insured . . . . .	15.6	17.0	15.8	45.5	44.9	45.0	22.3	22.6	23.0	16.6	15.5	16.2
Uninsured . . . . .	34.5	38.0	38.6	41.8	40.2	40.6	15.6	13.4	13.7	8.1	8.4	7.1
Nonpoor:												
Insured . . . . .	13.4	14.7	13.1	50.3	49.1	49.0	24.2	24.2	25.7	12.1	12.0	12.1
Uninsured . . . . .	29.1	32.9	32.0	45.4	43.7	44.9	17.0	14.6	15.7	8.4	8.8	7.3

See footnotes at end of table.

**Table 72 (page 3 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of health care visits <sup>1</sup>											
	None			1–3 visits			4–9 visits			10 or more visits		
	1997	1999	2000	1997	1999	2000	1997	1999	2000	1997	1999	2000
Geographic region <sup>3</sup>	Percent distribution											
Northeast . . . . .	13.2	12.8	12.4	45.9	46.4	46.2	26.0	25.6	27.3	14.9	15.2	14.0
Midwest . . . . .	15.9	16.2	14.4	47.7	46.7	46.2	22.8	23.8	25.6	13.6	13.3	13.9
South . . . . .	17.2	18.9	18.4	46.1	45.5	44.7	23.3	22.5	24.1	13.5	13.2	12.9
West. . . . .	19.1	20.9	20.0	44.8	44.8	44.9	22.8	21.9	22.2	13.3	12.4	12.8
Location of residence <sup>3</sup>												
Within MSA <sup>8</sup> . . . . .	16.2	17.4	16.5	46.4	45.9	45.8	23.7	23.4	24.5	13.7	13.2	13.1
Outside MSA <sup>8</sup> . . . . .	17.3	17.7	16.7	45.4	45.1	43.5	23.3	22.9	25.5	13.9	14.4	14.2

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

--- Data not available.

# Estimates calculated upon request.

<sup>1</sup>This table presents a summary measure of ambulatory and home health care visits during a 12-month period based on the following questions: "During the past 12 months, how many times have you gone to a hospital emergency room about your own health?"; "During the past 12 months, did you receive care at home from a nurse or other health care professional? What was the total number of home visits received?"; "During the past 12 months, how many times have you seen a doctor or other health care professional about your own health at a doctor's office, a clinic, or some other place? Do not include times you were hospitalized overnight, visits to hospital emergency rooms, home visits, or telephone calls." Beginning in 2000 dental visits were also excluded. For each question respondents were shown a flashcard with response categories of: 0, 1, 2–3, 4–9, 10–12, or 13 or more visits in 1997–99. Beginning in 2000 response categories were expanded to: 0, 1, 2–3, 4–5, 6–7, 8–9, 10–12, 13–15, 16 or more. For tabulation of the 1997–99 data responses of 2–3 were recoded to 2 and responses of 4–9 were recoded to 6. Beginning in 2000 tabulation of responses of 2–3 were recoded to 2 and other responses were recoded to the midpoint of the range. The summary measure was constructed by adding recoded responses for these questions and categorizing the sum as: none, 1–3, 4–9, or 10 or more health care visits in the past 12 months. See Appendix II, Health care contact, Emergency department visit, Home visit.

<sup>2</sup>Includes all other races not shown separately, unknown poverty status, and unknown health insurance status.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories "White only," "Black or African American only," "American Indian and Alaska Native (AI/AN) only," "Asian only," and "Native Hawaiian and Other Pacific Islander only" include persons who reported only one racial group; and the category "2 or more races" includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and "Some other race." Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category "Asian only" includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1997 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, the age-adjusted percent of persons with a specified number of health care visits based on the 1977 Standards are: (no visits) identical for white and black persons; 0.1 percentage points higher for AI/AN persons; 0.4 percentage points lower for Asian and Pacific Islander persons; (1–3 visits) identical for white persons; 0.1 percentage points lower for black persons; 1.3 percentage points higher for AI/AN persons; 0.1 percentage points lower for Asian and Pacific Islander persons; (4–9 visits) identical for white persons; 0.2 percentage points higher for black persons; 2.2 percentage points lower for AI/AN persons; 0.4 percentage points higher for Asian and Pacific Islander persons; (10 or more visits) identical for white and black persons; 0.9 percentage points higher for AI/AN persons; and 0.1 percentage points higher for Asian and Pacific Islander persons.

<sup>5</sup>Poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults the age of the adults in the family using Bureau of the Census poverty thresholds. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Family income, Poverty level. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, and 27 percent in 2000.

<sup>6</sup>Estimates for persons under 65 years of age are age adjusted to the year 2000 standard using four age groups: Under 18 years, 18–44 years, 45–54 years, and 55–64 years of age. Estimates for persons 65 years of age and over are age adjusted to the year 2000 standard using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having Medicaid coverage. Starting in 1997 Medicaid includes state-sponsored health plans and Child Health Insurance Program (CHIP). See Appendix II, Health insurance coverage.

<sup>8</sup>MSA is metropolitan statistical area.

NOTES: In 1997 the National Health Interview Survey questionnaire was redesigned. See Appendix I, National Health Interview Survey. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 79 (page 1 of 2). Emergency department visits within the past 12 months among adults 18 years of age and over, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more emergency department visits				2 or more emergency department visits			
	1997	1998	1999	2000	1997	1998	1999	2000
Percent of adults with emergency department visit <sup>1</sup>								
All adults 18 years of age and over <sup>2,3</sup>	19.6	19.7	17.2	20.2	6.7	6.7	5.2	6.9
Age								
18–44 years	20.7	20.4	17.7	20.6	6.8	7.0	5.6	7.0
18–24 years	26.3	24.7	21.7	25.9	9.1	8.3	7.3	8.9
25–44 years	19.0	19.1	16.5	18.9	6.2	6.6	5.0	6.4
45–64 years	16.2	17.1	14.6	17.6	5.6	5.7	4.3	5.6
45–54 years	15.7	17.0	14.3	17.9	5.5	6.0	4.3	5.8
55–64 years	16.9	17.2	15.1	17.0	5.7	5.2	4.3	5.3
65 years and over	22.0	21.9	19.9	23.7	8.1	7.3	5.6	8.6
65–74 years	20.3	20.0	17.3	21.6	7.1	6.8	4.7	7.4
75 years and over	24.3	24.3	23.1	26.2	9.3	8.0	6.7	10.1
Sex <sup>3</sup>								
Male	19.1	19.5	16.1	18.8	5.9	6.1	4.3	5.8
Female	20.2	19.9	18.2	21.6	7.5	7.3	6.0	8.0
Race <sup>3,4</sup>								
White only	19.0	19.1	16.6	19.4	6.2	6.1	4.7	6.4
Black or African American only	25.9	25.3	22.2	26.5	11.1	10.7	8.8	10.7
American Indian and Alaska Native only	24.8	28.6	29.2	30.5	13.1	12.4	*11.7	*12.8
Asian only	11.6	14.4	9.7	13.6	*2.9	5.8	*	*3.8
Native Hawaiian and Other Pacific Islander only	*	*	*	*	*	*	*	*
2 or more races	---	---	24.4	32.9	---	---	11.4	11.4
American Indian and Alaska Native; White	---	---	26.0	33.9	---	---	*13.9	*9.2
Hispanic origin and race <sup>3,4</sup>								
Hispanic or Latino	19.2	18.6	15.3	18.4	7.4	6.6	4.5	7.1
Mexican	17.8	16.3	14.4	17.4	6.4	5.7	4.1	7.1
Not Hispanic or Latino	#	#	17.5	20.6	#	#	5.3	6.9
White only	19.1	19.3	16.9	19.8	6.2	6.1	4.8	6.4
Black or African American only	25.9	25.2	22.2	26.5	11.0	10.6	8.8	10.7
Poverty status <sup>3,5</sup>								
Poor	29.2	28.1	27.6	30.2	13.7	13.4	11.7	14.3
Near poor	24.9	24.4	21.7	25.1	10.0	10.1	8.0	10.6
Nonpoor	17.5	18.0	15.4	18.6	5.0	5.2	4.1	5.3
Hispanic origin and race and poverty status <sup>3,4,5</sup>								
Hispanic or Latino:								
Poor	22.9	19.6	17.1	24.4	10.2	8.1	6.6	11.3
Near poor	19.2	20.4	15.9	19.4	8.4	6.9	5.0	7.6
Nonpoor	17.9	17.4	14.5	17.1	5.5	4.8	3.8	6.1
Not Hispanic or Latino:								
White only:								
Poor	30.8	30.1	29.4	30.6	14.1	13.9	11.7	14.3
Near poor	25.5	24.7	22.2	26.8	9.8	10.3	7.6	11.5
Nonpoor	17.2	17.8	15.5	18.2	4.8	4.9	4.1	5.0
Black or African American only:								
Poor	35.5	32.7	33.5	38.0	17.9	17.9	16.8	19.0
Near poor	30.8	29.7	27.8	29.9	12.9	13.5	13.0	13.1
Nonpoor	20.7	22.4	18.4	24.1	7.8	8.0	5.7	8.4
Health insurance status <sup>6,7</sup>								
18–64 years of age:								
Insured	18.8	18.9	16.1	19.5	6.1	6.1	4.7	6.4
Private	16.9	17.2	14.5	17.5	4.7	4.8	3.6	5.1
Medicaid	36.9	38.3	35.0	41.8	19.5	20.7	17.2	20.7
Uninsured	20.0	20.3	18.3	19.6	7.5	8.0	7.0	7.0
65 years of age and over:								
Private	21.4	21.3	19.2	23.2	6.7	6.6	5.3	7.8
Medicaid	32.3	33.2	29.1	35.9	18.0	13.9	11.6	18.1
Medicare only	20.9	20.4	19.5	21.7	8.8	7.1	4.9	7.7

See footnotes at end of table.



**Table 79 (page 2 of 2). Emergency department visits within the past 12 months among adults 18 years of age and over, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more emergency department visits				2 or more emergency department visits			
	1997	1998	1999	2000	1997	1998	1999	2000
Poverty status and health insurance status <sup>5,6</sup>								
Percent of adults with emergency department visit <sup>1</sup>								
18–64 years of age:								
Poor:								
Insured . . . . .	32.1	29.2	29.8	33.6	15.9	14.8	13.3	17.4
Uninsured . . . . .	24.4	25.0	22.7	26.0	10.0	11.4	10.3	10.6
Near poor:								
Insured . . . . .	26.6	26.8	23.1	27.3	10.3	11.2	8.7	11.6
Uninsured . . . . .	21.3	18.9	18.6	20.1	9.1	7.9	7.5	7.7
Nonpoor:								
Insured . . . . .	16.6	17.1	14.7	17.6	4.5	4.6	3.7	4.9
Uninsured . . . . .	19.0	19.8	16.3	19.2	5.4	6.9	6.5	6.4
Geographic region <sup>3</sup>								
Northeast . . . . .	19.5	19.6	16.9	20.0	6.9	6.2	5.1	6.2
Midwest . . . . .	19.3	18.9	17.2	20.1	6.2	6.3	5.1	6.9
South . . . . .	20.9	21.2	17.7	21.3	7.3	7.6	5.7	7.6
West . . . . .	17.7	18.1	16.4	18.7	6.0	5.9	4.5	6.3
Location of residence <sup>3</sup>								
Within MSA <sup>8</sup> . . . . .	19.1	19.0	16.6	19.6	6.4	6.4	4.9	6.6
Outside MSA <sup>8</sup> . . . . .	21.5	22.3	19.5	22.5	7.8	7.7	6.4	7.8

\* Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

-- Data not available.

# Estimates calculated upon request.

<sup>1</sup>See Appendix II, Emergency department visit.

<sup>2</sup>Includes all other races not shown separately, unknown poverty status, and unknown health insurance status.

<sup>3</sup>Estimates are for persons 18 years of age and over and are age adjusted to the year 2000 standard using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, age-adjusted estimates of the percent of adults with 1 or more emergency department visits based on the 1977 Standards are: 0.1 percentage points higher for white and black adults; 0.3 percentage points higher for Asian and Pacific Islander adults; and 2.0 percentage points lower for AI/AN adults.

<sup>5</sup>Poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults the age of the adults in the family, using Bureau of the Census poverty thresholds. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Family income; Poverty level. Poverty status was unknown for 22 percent of adults in the sample in 1997, 27 percent in 1998, and 29 percent in 1999 and 2000.

<sup>6</sup>Estimates for persons 18–64 years of age are age adjusted to the year 2000 Standard using three age groups: 18–44 years, 45–54 years, and 55–64 years of age. Estimates for persons 65 years of age and over are age adjusted to the year 2000 Standard using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having Medicaid coverage. Starting in 1997 Medicaid includes state-sponsored health plans and Child Health Insurance Program (CHIP). See Appendix II, Health insurance coverage.

<sup>8</sup>MSA is metropolitan statistical area.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 80 (page 1 of 2). Dental visits in the past year according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	2 years of age and over <sup>1</sup>			2–17 years of age			18–64 years of age			65 years of age and over <sup>2</sup>		
	1997	1999	2000	1997	1999	2000	1997	1999	2000	1997	1999	2000
Percent of persons with a dental visit in the past year <sup>3</sup>												
Total <sup>4</sup> . . . . .	64.9	65.2	66.2	72.7	72.6	74.1	64.1	64.6	65.3	54.8	55.0	56.4
Sex												
Male . . . . .	62.6	62.5	63.3	72.3	72.3	73.7	60.4	60.4	61.0	55.4	54.7	55.9
Female . . . . .	67.2	67.8	69.0	73.0	72.8	74.6	67.7	68.5	69.5	54.4	55.2	56.9
Race <sup>5</sup>												
White only . . . . .	66.5	67.2	68.1	74.0	74.5	75.8	65.7	66.6	67.4	56.8	56.8	58.4
Black or African American only . . . . .	56.5	56.2	57.4	68.8	67.6	70.0	57.0	55.8	57.1	35.4	39.7	38.1
American Indian and Alaska Native only . . . . .	51.5	56.2	54.6	66.8	58.2	71.5	49.9	55.2	55.0	*	*50.6	*
Asian only . . . . .	61.8	63.6	66.3	69.9	69.6	72.6	60.3	63.1	65.6	53.9	53.2	60.6
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*	*	*	*	*	*	*
2 or more races . . . . .	---	58.6	62.7	---	73.0	71.2	---	57.8	60.6	---	*35.1	58.0
Black or African American; White . . . . .	---	63.7	58.5	---	68.7	65.5	---	58.8	60.3	---	*	*
American Indian and Alaska Native; White . . . . .	---	55.8	60.1	---	70.3	63.3	---	53.5	61.8	---	*	*
Hispanic origin and race <sup>5</sup>												
Hispanic or Latino . . . . .	52.9	52.3	51.4	61.0	59.3	60.4	50.8	50.6	49.1	47.8	44.0	44.4
Not Hispanic or Latino . . . . .	#	66.9	68.3	#	74.9	76.7	#	66.3	67.4	#	55.6	57.2
White only . . . . .	68.2	68.9	70.2	76.4	77.0	78.7	67.5	68.3	69.4	57.2	57.3	59.1
Black or African American only . . . . .	56.5	56.1	57.5	68.8	67.7	70.0	56.9	55.7	57.2	35.3	39.6	37.9
Poverty status <sup>6</sup>												
Poor . . . . .	47.2	46.2	47.6	62.0	57.8	61.8	46.4	46.0	46.7	30.3	31.9	30.3
Near poor . . . . .	48.9	48.5	50.0	61.6	61.6	65.2	46.4	46.1	46.8	39.6	38.9	40.9
Nonpoor . . . . .	72.3	72.0	73.1	79.7	79.9	80.1	71.1	70.8	72.0	66.3	64.4	66.7
Hispanic origin and race and poverty status <sup>5,6</sup>												
Hispanic or Latino:												
Poor . . . . .	41.9	41.5	41.3	56.8	49.6	53.9	39.0	39.7	38.1	33.0	32.1	31.4
Near poor . . . . .	46.2	43.8	44.6	54.1	54.0	56.0	42.6	41.0	40.0	49.2	34.8	45.8
Nonpoor . . . . .	65.1	63.8	62.5	74.8	72.0	69.1	62.5	62.0	61.3	56.5	58.9	54.3
Not Hispanic or Latino:												
White only:												
Poor . . . . .	49.9	49.8	52.0	63.3	62.6	63.0	50.3	50.6	52.1	31.1	31.9	34.4
Near poor . . . . .	51.0	50.2	52.3	64.8	63.2	69.0	48.2	48.0	49.2	41.2	39.6	40.5
Nonpoor . . . . .	73.6	73.6	75.0	80.7	81.8	82.5	72.5	72.4	73.8	67.6	65.4	68.3
Black or African American only:												
Poor . . . . .	46.7	44.9	46.0	66.7	61.0	67.5	44.5	42.1	45.3	26.2	33.5	17.3
Near poor . . . . .	44.9	47.6	48.5	60.1	66.3	66.3	44.7	45.2	45.7	23.6	30.9	36.0
Nonpoor . . . . .	65.4	64.2	66.0	75.5	72.7	73.9	66.2	64.7	65.4	48.9	51.5	55.1

See footnotes at end of table.

**Table 80 (page 2 of 2). Dental visits in the past year according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	2 years of age and over <sup>1</sup>			2–17 years of age			18–64 years of age			65 years of age and over <sup>2</sup>		
	1997	1999	2000	1997	1999	2000	1997	1999	2000	1997	1999	2000
Percent of persons with a dental visit in the past year <sup>3</sup>												
Geographic region												
Northeast . . . . .	69.6	70.9	72.4	77.5	78.5	81.1	69.6	71.5	72.2	55.5	54.3	58.0
Midwest . . . . .	68.3	68.1	69.8	76.4	76.8	77.2	67.4	67.6	69.3	57.6	54.3	58.7
South . . . . .	60.0	60.6	61.0	68.0	68.0	69.6	59.4	59.4	59.9	49.0	52.4	50.6
West . . . . .	64.9	64.7	65.4	71.5	69.9	72.1	62.9	63.3	63.4	61.9	61.9	62.8
Location of residence												
Within MSA <sup>7</sup> . . . . .	66.5	67.1	67.5	73.6	73.1	74.4	65.7	66.8	66.8	57.6	58.1	58.8
Outside MSA <sup>7</sup> . . . . .	59.1	58.3	61.6	69.3	70.7	73.2	58.0	56.2	59.8	46.1	45.0	49.3

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error greater than 30 percent.

- - - Data not available.

# Estimates calculated upon request.

<sup>1</sup>Estimates are age adjusted to the year 2000 standard using six age groups: 2–17 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Estimates for the elderly are the percent of persons 65 years of age and over with a dental visit in the past year. Data from the 1997–2000 National Health Interview Survey estimate that 29–30 percent of persons 65 years of age and over were edentulous (having lost all their natural teeth). In 1997–2000 about 70 percent of elderly dentate persons compared with 17–20 percent of elderly edentate persons had a dental visit in the past year.

<sup>3</sup>Respondents were asked “About how long has it been since you last saw or talked to a dentist? Include all types of dentists, such as orthodontists, oral surgeons, and all other dental specialists as well as dental hygienists.” See Appendix II, Dental visit. This table presents the percent of persons with a visit in the past one year or less.

<sup>4</sup>Includes all other races not shown separately and unknown poverty status.

<sup>5</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, age-adjusted estimates of the percent of persons with a recent dental visit based on the 1977 Standards are: 0.1 percentage points lower for white and black persons; identical for AI/AN persons; and 0.2 percentage points lower for Asian and Pacific Islander persons.

<sup>6</sup>Poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults the age of the adults in the family, using Bureau of the Census poverty thresholds. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Family income; Poverty level. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, and 27 percent in 2000.

<sup>7</sup>MSA is metropolitan statistical area.

NOTES: In 1997 the National Health Interview Survey questionnaire was redesigned. See Appendix I, National Health Interview Survey. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, sample child and sample adult questionnaires.

**Table 81. Untreated dental caries according to age, sex, race and Hispanic origin, and poverty status: United States, 1971–74, 1982–84, and 1988–94**

[Data are based on dental examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, race and Hispanic origin, and poverty status</i>	<i>2–5 years</i>			<i>6–17 years</i>			<i>18–64 years</i>			<i>65–74 years</i>		
	<i>1971–1974</i>	<i>1982–1984</i>	<i>1988–1994</i>	<i>1971–1974</i>	<i>1982–1984</i>	<i>1988–1994</i>	<i>1971–1974</i>	<i>1982–1984</i>	<i>1988–1994</i>	<i>1971–1974</i>	<i>1982–1984</i>	<i>1988–1994</i>
Percent of persons with untreated dental caries												
Total <sup>1</sup> . . . . .	24.4	---	18.7	55.0	---	23.1	48.4	---	28.2	29.7	---	25.4
Sex												
Male . . . . .	26.1	---	19.2	54.8	---	22.6	48.4	---	31.2	30.2	---	29.9
Female . . . . .	22.7	---	18.1	55.2	---	23.7	48.5	---	25.3	28.3	---	21.5
Race and Hispanic origin <sup>2</sup>												
White, non-Hispanic . . . . .	23.7	---	14.4	52.3	---	18.9	45.2	---	23.6	28.1	---	22.7
Black, non-Hispanic . . . . .	28.2	---	25.1	70.9	---	33.0	68.1	---	47.9	41.5	---	46.7
Mexican . . . . .	---	23.1	34.9	---	42.8	37.2	---	45.4	39.9	---	44.3	43.8
Poverty status <sup>3</sup>												
Poor . . . . .	30.7	---	28.8	70.4	---	36.3	63.6	---	47.3	34.3	---	46.7
Near poor . . . . .	29.8	---	24.3	60.2	---	29.2	56.3	---	42.7	35.6	---	39.3
Nonpoor . . . . .	17.5	---	9.7	46.3	---	14.5	43.1	---	19.5	26.2	---	19.4
Race, Hispanic origin, and poverty status <sup>2,3</sup>												
White, non-Hispanic:												
Poor . . . . .	31.9	---	25.4	68.1	---	32.5	58.4	---	42.3	33.3	---	39.0
Near poor and nonpoor . . . . .	22.1	---	12.4	50.3	---	16.7	44.3	---	21.6	28.0	---	22.7
Black, non-Hispanic:												
Poor . . . . .	29.0	---	27.5	73.4	---	35.6	73.1	---	59.0	39.8	---	50.1
Near poor and nonpoor . . . . .	26.5	---	23.0	67.4	---	31.2	65.8	---	43.4	41.1	---	43.6
Mexican:												
Poor . . . . .	---	22.6	38.5	---	46.4	45.8	---	56.3	52.4	---	54.4	55.5
Near poor and nonpoor . . . . .	---	22.0	30.5	---	39.3	27.6	---	41.0	31.5	---	30.8	35.6

--- Data not available.

<sup>1</sup>Includes all other races not shown separately and unknown poverty status.

<sup>2</sup>In 1971–74, data are for white persons and black persons. Persons of Hispanic origin may be of any race.

<sup>3</sup>Poverty status is based on family income and family size. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Persons with unknown poverty status are excluded (4 percent in 1971–74, 8 percent in 1982–84, and 6 percent in 1988–94). See Appendix II, Family income; Poverty level.

NOTES: Excludes edentulous persons (persons without teeth) of all ages. The majority of edentulous persons are 65 years of age and over. Estimates of edentulism among the elderly are 46 percent in 1971–74, 37 percent in 1982–84, and 33 percent in 1988–94.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey (NHANES) I, Hispanic Health and Nutrition Examination Survey, and NHANES III.

**Table 82 (page 1 of 2). Use of mammography for women 40 years of age and over according to selected characteristics: United States, selected years 1987–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1987</i>	<i>1990</i>	<i>1991</i>	<i>1993</i>	<i>1994</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
Percent of women having a mammogram within the past 2 years <sup>1</sup>								
40 years and over, age adjusted <sup>2,3</sup> . . . . .	29.0	51.7	54.7	59.7	61.0	67.0	70.3	70.3
40 years and over, crude <sup>2</sup> . . . . .	28.7	51.4	54.6	59.7	60.9	66.9	70.3	70.3
<b>Age</b>								
40–49 years . . . . .	31.9	55.1	55.6	59.9	61.3	63.4	67.2	64.2
50–64 years . . . . .	31.7	56.0	60.3	65.1	66.5	73.7	76.5	78.6
65 years and over. . . . .	22.8	43.4	48.1	54.2	55.0	63.8	66.8	68.0
65–74 years. . . . .	26.6	48.7	55.7	64.2	63.0	69.4	73.9	74.0
75 years and over . . . . .	17.3	35.8	37.8	41.0	44.6	57.2	58.9	61.3
<b>Race<sup>4</sup></b>								
40 years and over, crude:								
White only . . . . .	29.6	52.2	55.6	60.0	60.6	67.4	70.6	71.4
Black or African American only. . . . .	24.0	46.4	48.0	59.1	64.3	66.0	71.0	67.8
American Indian and Alaska Native only . . . . .	*	43.2	54.5	49.8	65.8	45.2	63.0	47.3
Asian only . . . . .	*	46.0	45.9	55.1	55.8	60.2	58.3	53.3
Native Hawaiian and Other Pacific Islander only . . . . .	*	*	*	*	*	*	*	*
2 or more races . . . . .	---	---	---	---	---	---	70.2	69.2
<b>Hispanic origin and race<sup>4</sup></b>								
40 years and over, crude:								
Hispanic or Latino . . . . .	18.3	45.2	49.2	50.9	51.9	60.2	65.7	61.4
Not Hispanic or Latino . . . . .	#	#	#	#	#	#	70.7	71.0
White only . . . . .	30.3	52.7	56.0	60.6	61.3	68.0	71.1	72.1
Black or African American only . . . . .	23.8	46.0	47.7	59.2	64.4	66.0	71.0	67.9
<b>Age, Hispanic origin, and race<sup>4</sup></b>								
40–49 years:								
Hispanic or Latino . . . . .	*15.3	45.1	44.0	52.6	47.5	55.2	61.6	54.2
Not Hispanic or Latino:								
White only . . . . .	34.3	57.0	58.1	61.6	62.0	64.4	68.3	67.1
Black or African American only . . . . .	27.8	48.4	48.0	55.6	67.2	65.0	69.2	60.9
50–64 years:								
Hispanic or Latino . . . . .	23.0	47.5	61.7	59.2	60.1	67.2	69.7	66.4
Not Hispanic or Latino:								
White only . . . . .	33.6	58.1	61.5	66.2	67.5	75.3	77.9	80.5
Black or African American only . . . . .	26.4	48.4	52.4	65.5	63.6	71.2	75.0	77.7
65 years and over:								
Hispanic or Latino . . . . .	*	41.1	40.9	*35.7	48.0	59.0	67.2	68.2
Not Hispanic or Latino:								
White only . . . . .	24.0	43.8	49.1	54.7	54.9	64.3	66.8	68.3
Black or African American only . . . . .	14.1	39.7	41.6	56.3	61.0	60.6	68.1	65.5
<b>Age and poverty status<sup>5</sup></b>								
40 years and over, crude:								
Below poverty . . . . .	16.4	30.8	35.2	41.1	44.2	50.5	56.9	55.2
At or above poverty . . . . .	31.3	54.1	57.5	61.8	63.4	69.3	71.5	72.2
40–49 years:								
Below poverty. . . . .	23.0	32.2	33.0	36.1	43.0	44.9	52.5	47.2
At or above poverty. . . . .	33.4	57.0	58.1	62.1	63.4	65.0	68.7	65.9
50–64 years:								
Below poverty. . . . .	15.1	29.9	37.3	47.3	46.2	53.5	61.1	62.7
At or above poverty. . . . .	34.3	58.5	63.0	66.8	68.8	76.7	77.4	80.6
65 years and over:								
Below poverty. . . . .	13.6	30.8	35.2	40.4	43.9	52.3	57.3	55.4
At or above poverty. . . . .	25.5	46.2	51.1	56.4	57.7	66.2	67.8	70.0

See footnotes at end of table.

**Table 82 (page 2 of 2). Use of mammography for women 40 years of age and over according to selected characteristics: United States, selected years 1987–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1987	1990	1991	1993	1994	1998	1999	2000
Age and education <sup>6</sup>	Percent of women having a mammogram within the past 2 years <sup>1</sup>							
40 years and over, crude:								
No high school diploma or GED . . . .	17.8	36.4	40.0	46.4	48.2	54.5	56.7	57.7
High school diploma or GED . . . . .	31.3	52.7	55.8	59.0	61.0	66.7	69.2	69.6
Some college or more . . . . .	37.7	62.8	65.2	69.5	69.7	72.8	77.3	76.1
40–49 years of age:								
No high school diploma or GED . . . .	15.1	38.5	40.8	43.6	50.4	47.3	48.8	46.9
High school diploma or GED . . . . .	32.6	53.1	52.0	56.6	55.8	59.1	60.8	59.0
Some college or more . . . . .	39.2	62.3	63.7	66.1	68.7	68.3	74.4	70.5
50–64 years of age:								
No high school diploma or GED . . . .	21.2	41.0	43.6	51.4	51.6	58.8	62.3	66.3
High school diploma or GED . . . . .	33.8	56.5	60.8	62.4	67.8	73.3	77.2	76.6
Some college or more . . . . .	40.5	68.0	72.7	78.5	74.7	79.8	81.2	84.1
65 years of age and over:								
No high school diploma or GED . . . .	16.5	33.0	37.7	44.2	45.6	54.7	56.6	57.5
High school diploma or GED . . . . .	25.9	47.5	54.0	57.4	59.1	66.8	68.4	72.0
Some college or more . . . . .	32.3	56.7	57.9	64.8	64.3	71.3	77.1	74.1

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error greater than 30 percent.

--- Data not available.

# Estimates calculated upon request.

<sup>1</sup>Questions concerning use of mammography differed slightly on the National Health Interview Survey across the years for which data are shown. In 1987 and 1990 women were asked to report when they had their last mammogram. In 1991 women were asked whether they had a mammogram in the past 2 years. In 1993 and 1994 women were asked whether they had a mammogram within the past year, between 1 and 2 years ago, or over 2 years ago. In 1998 women were asked whether they had a mammogram a year ago or less, more than 1 year but not more than 2 years, or more than 2 years ago. In 1999 women were asked when they had their most recent mammogram in days, weeks, months, or years. In 1999, 10 percent of women in the sample responded “2 years ago” and in this analysis these women were coded as “within the past 2 years” although a response of “2 years ago” may include women whose last mammogram was more than 2 but less than 3 years ago. Thus estimates for 1999 are overestimated to some degree in comparison with estimates in previous years. In 2000 women were asked when they had their most recent mammogram (give month and year). Women who did not respond were given a followup question that used the 1999 wording and women who did not answer the followup question were asked a second followup question that used the 1998 wording. In 2000, 2 percent of women in the sample answered “2 years ago” using the 1999 wording and they were coded as “within the past 2 years.” Thus estimates for 2000 may be slightly overestimated in comparison with estimates for years prior to 1999.

<sup>2</sup>Includes all other races not shown separately, unknown poverty status, and unknown education.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard using four age groups: 40–49 years, 50–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, the percent of women 40 years of age and older with a recent mammogram based on the 1977 Standards are: 0.1 percentage points higher for white women; 0.2 percentage points higher for black women; 3.6 percentage points lower for AI/AN women; and 1.1 percentage points higher for Asian and Pacific Islander women.

<sup>5</sup>Prior to 1998 poverty status is based on family income and family size using Bureau of the Census poverty thresholds. Beginning in 1998 poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults the age of the adults in the family. Missing family income data were imputed for 13–16 percent of adults in the sample in 1990–94. Poverty status was unknown for 25 percent of persons in the sample in 1998, 28 percent in 1999, and 27 percent in 2000. See Appendix II, Family income, Poverty level.

<sup>6</sup>Education categories shown are for 1998 and subsequent years. GED stands for General Educational Development high school equivalency diploma.

In years prior to 1998 the following categories based on number of years of school completed were used: less than 12 years, 12 years, 13 years or more. See Appendix II, Education.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the following supplements: cancer control (1987), health promotion and disease prevention (1990–91), and year 2000 (1993–94). Starting in 1998 data are from the family core and sample adult questionnaires.



**Table 83 (page 1 of 2). Ambulatory care visits to physician offices and hospital outpatient and emergency departments by selected characteristics: United States, selected years 1995–2000**

[Data are based on reporting by a sample of office-based physicians and hospital outpatient and emergency departments]

Age, sex, and race	All places <sup>1</sup>				Physician offices			
	1995	1998	1999	2000	1995	1998	1999	2000
Number of visits in thousands								
Total . . . . .	860,858	1,005,078	944,122	1,014,848	697,082	829,280	756,734	823,542
Under 18 years . . . . .	194,643	213,486	183,072	212,165	150,351	168,520	135,627	163,459
18–44 years . . . . .	285,184	328,475	300,051	315,774	219,065	260,379	227,005	243,011
45–64 years . . . . .	188,319	237,700	240,688	255,894	159,531	203,296	201,911	216,783
45–54 years . . . . .	104,891	132,146	130,824	142,233	88,266	112,316	108,597	119,474
55–64 years . . . . .	83,429	105,555	109,864	113,661	71,264	90,979	93,315	97,309
65 years and over . . . . .	192,712	225,416	220,311	231,014	168,135	197,085	192,190	200,289
65–74 years . . . . .	102,605	115,526	106,066	116,505	90,544	102,306	92,642	102,447
75 years and over . . . . .	90,106	109,890	114,245	114,510	77,591	94,779	99,548	97,842
Number of visits per 100 persons								
Total, age adjusted <sup>2</sup> . . . . .	334	377	352	374	271	312	283	304
Total, crude . . . . .	329	373	347	370	266	308	279	300
Under 18 years . . . . .	275	297	254	293	213	235	188	226
18–44 years . . . . .	264	303	277	291	203	240	209	224
45–64 years . . . . .	364	419	410	423	309	358	344	358
45–54 years . . . . .	339	384	368	385	286	327	305	324
55–64 years . . . . .	401	473	477	481	343	407	405	412
65 years and over . . . . .	612	697	679	706	534	609	592	613
65–74 years . . . . .	560	643	596	656	494	569	521	577
75 years and over . . . . .	683	764	779	766	588	659	679	654
Sex and age								
Male, age adjusted <sup>2</sup> . . . . .	290	321	309	325	232	261	246	261
Male, crude . . . . .	277	310	297	314	220	251	235	251
Under 18 years . . . . .	274	303	255	302	209	239	189	231
18–44 years . . . . .	190	202	206	203	139	149	150	148
45–54 years . . . . .	275	302	300	316	229	251	247	260
55–64 years . . . . .	351	435	427	428	300	379	361	367
65–74 years . . . . .	508	608	580	614	445	538	510	539
75 years and over . . . . .	711	739	758	771	616	640	663	670
Female, age adjusted <sup>2</sup> . . . . .	377	431	393	420	309	360	317	345
Female, crude . . . . .	378	433	396	424	310	362	320	348
Under 18 years . . . . .	277	291	252	285	217	231	187	221
18–44 years . . . . .	336	401	345	377	265	328	267	298
45–54 years . . . . .	400	462	432	451	339	399	361	384
55–64 years . . . . .	446	506	522	529	382	433	445	453
65–74 years . . . . .	603	672	610	692	534	595	530	609
75 years and over . . . . .	666	780	792	763	571	671	689	645
Race and age <sup>3</sup>								
White, age adjusted <sup>2</sup> . . . . .	339	376	356	380	282	316	292	315
White, crude . . . . .	338	376	357	381	281	317	293	316
Under 18 years . . . . .	295	293	258	306	238	235	197	243
18–44 years . . . . .	267	305	284	301	211	248	222	239
45–54 years . . . . .	334	380	368	386	286	328	312	330
55–64 years . . . . .	397	462	474	480	345	406	410	416
65–74 years . . . . .	557	639	597	641	496	572	526	568
75 years and over . . . . .	689	768	781	764	598	669	687	658
Black or African American, age adjusted <sup>2</sup> . . . .	309	400	355	353	204	281	239	239
Black or African American, crude . . . . .	281	373	322	324	178	259	211	214
Under 18 years . . . . .	193	315	237	264	100	217	144	167
18–44 years . . . . .	260	317	267	257	158	207	155	149
45–54 years . . . . .	387	426	398	383	281	310	277	269
55–64 years . . . . .	414	561	543	495	294	411	404	373
65–74 years . . . . .	553	660	611	656	429	511	485	512
75 years and over . . . . .	534	725	780	745	395	537	608	568

See footnotes at end of table.

**Table 83 (page 2 of 2). Ambulatory care visits to physician offices and hospital outpatient and emergency departments by selected characteristics: United States, selected years 1995–2000**

[Data are based on reporting by a sample of office-based physicians and hospital outpatient and emergency departments]

Age, sex, and race	Hospital outpatient departments				Hospital emergency departments			
	1995	1998	1999	2000	1995	1998	1999	2000
Number of visits in thousands								
Total . . . . .	67,232	75,412	84,623	83,289	96,545	100,385	102,765	108,017
Under 18 years . . . . .	17,636	18,551	21,758	21,076	26,656	26,415	25,688	27,630
18–44 years . . . . .	24,299	26,032	29,514	26,947	41,820	42,064	43,532	45,816
45–64 years . . . . .	14,811	17,980	20,891	20,772	13,978	16,425	17,886	18,339
45–54 years . . . . .	8,029	9,859	11,541	11,558	8,595	9,970	10,686	11,201
55–64 years . . . . .	6,782	8,120	9,350	9,214	5,383	6,455	7,200	7,138
65 years and over . . . . .	10,487	12,849	12,461	14,494	14,090	15,482	15,659	16,232
65–74 years . . . . .	6,004	6,869	6,969	7,515	6,057	6,350	6,455	6,543
75 years and over . . . . .	4,482	5,979	5,493	6,979	8,033	9,132	9,205	9,690
Number of visits per 100 persons								
Total, age adjusted <sup>2</sup> . . . . .	26	28	31	31	37	37	38	40
Total, crude . . . . .	26	28	31	30	37	37	38	39
Under 18 years . . . . .	25	26	30	29	38	37	36	38
18–44 years . . . . .	23	24	27	25	39	39	40	42
45–64 years . . . . .	29	32	36	34	27	29	31	30
45–54 years . . . . .	26	29	32	31	28	29	30	30
55–64 years . . . . .	33	36	41	39	26	29	31	30
65 years and over . . . . .	33	40	38	44	45	48	48	50
65–74 years . . . . .	33	38	39	42	33	35	36	37
75 years and over . . . . .	34	42	37	47	61	64	63	65
Sex and age								
Male, age adjusted <sup>2</sup> . . . . .	21	23	26	26	37	37	37	38
Male, crude . . . . .	21	23	25	25	36	36	37	38
Under 18 years . . . . .	25	26	29	29	40	39	37	41
18–44 years . . . . .	14	16	18	17	37	37	38	38
45–54 years . . . . .	20	23	25	26	26	28	29	30
55–64 years . . . . .	26	28	37	32	25	28	30	30
65–74 years . . . . .	29	35	35	38	34	35	35	37
75 years and over . . . . .	34	42	34	42	61	57	61	59
Female, age adjusted <sup>2</sup> . . . . .	31	33	37	35	37	38	39	41
Female, crude . . . . .	31	33	37	35	37	38	39	41
Under 18 years . . . . .	25	26	31	29	36	35	34	35
18–44 years . . . . .	31	32	36	33	40	41	42	46
45–54 years . . . . .	32	34	40	36	29	30	31	31
55–64 years . . . . .	38	44	44	45	26	30	33	31
65–74 years . . . . .	36	41	43	46	32	35	37	37
75 years and over . . . . .	34	42	39	49	61	67	64	69
Race and age <sup>3</sup>								
White, age adjusted <sup>2</sup> . . . . .	23	25	28	28	34	35	35	37
White, crude . . . . .	23	25	29	28	34	35	35	37
Under 18 years . . . . .	23	23	28	27	35	34	34	36
18–44 years . . . . .	20	21	25	23	36	36	37	39
45–54 years . . . . .	23	25	29	28	25	27	27	28
55–64 years . . . . .	28	30	36	36	24	26	29	28
65–74 years . . . . .	29	33	36	38	32	33	34	35
75 years and over . . . . .	31	38	34	44	60	61	61	63
Black or African American, age adjusted <sup>2</sup> . . . .	48	55	54	52	58	63	62	62
Black or African American, crude . . . . .	45	52	51	48	58	62	60	62
Under 18 years . . . . .	39	43	42	41	53	55	51	57
18–44 years . . . . .	38	44	45	40	64	67	68	68
45–54 years . . . . .	55	63	66	61	51	54	55	53
55–64 years . . . . .	73	91	83	70	47	59	57	52
65–74 years . . . . .	*77	86	69	85	47	64	58	59
75 years and over . . . . .	66	85	*79	85	73	103	93	92

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent.

<sup>1</sup>All places includes visits to physician offices and hospital outpatient and emergency departments.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Beginning in 1999 the instruction for the race item on the Patient Record Form was changed so that more than one race could be recorded. In previous years only one racial category could be checked. Estimates for racial groups presented in this table are for visits where only one race was recorded. Estimates for visits where multiple races were checked were unreliable and are not presented in this table.

NOTES: Rates are based on the civilian noninstitutionalized population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Rates will be overestimated to the extent that visits by institutionalized persons are counted in the numerator (for example, hospital emergency department visits by nursing home residents) and institutionalized persons are omitted from the denominator. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey.

**Table 84 (page 1 of 2). Injury-related visits to hospital emergency departments by sex, age, and intent and mechanism of injury: United States, average annual 1995–96, 1997–98, and 1999–2000**

[Data are based on reporting by a sample of hospital emergency departments]

<i>Sex, age, and intent and mechanism of injury<sup>1</sup></i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>
Both sexes	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>2,3</sup> . . . . .	36,081	36,111	39,029	1,360.9	1,344.2	1,428.1
Male						
All ages <sup>2,3</sup> . . . . .	20,030	19,838	21,286	1,530.7	1,500.0	1,585.3
Under 18 years <sup>2</sup> . . . . .	6,238	6,057	6,364	1,720.2	1,651.9	1,722.2
Unintentional injuries <sup>4</sup> . . . . .	5,478	5,192	5,457	1,510.5	1,416.1	1,476.7
Falls . . . . .	1,402	1,241	1,303	386.5	338.4	352.6
Struck by or against objects or persons . . . .	1,011	1,468	1,378	278.9	400.5	372.8
Motor vehicle traffic . . . . .	453	405	432	125.0	110.6	116.9
Cut or pierce . . . . .	493	482	455	136.0	131.5	123.2
Intentional injuries . . . . .	290	229	242	80.0	62.4	65.6
18–24 years <sup>2</sup> . . . . .	2,980	2,805	3,096	2,396.9	2,222.5	2,361.6
Unintentional injuries <sup>4</sup> . . . . .	2,423	2,169	2,416	1,948.7	1,718.8	1,842.7
Falls . . . . .	299	255	307	240.8	202.1	233.9
Struck by or against objects or persons . . . .	387	456	405	311.0	361.7	308.6
Motor vehicle traffic . . . . .	347	404	469	279.4	320.2	357.5
Cut or pierce . . . . .	304	310	394	244.8	245.7	300.5
Intentional injuries . . . . .	335	269	322	269.2	213.1	245.9
25–44 years <sup>2</sup> . . . . .	7,245	6,788	7,251	1,767.4	1,660.4	1,796.9
Unintentional injuries <sup>4</sup> . . . . .	5,757	5,122	5,528	1,404.3	1,252.8	1,370.0
Falls . . . . .	817	779	850	199.4	190.5	210.8
Struck by or against objects or persons . . . .	619	849	781	151.0	207.8	193.6
Motor vehicle traffic . . . . .	912	831	848	222.6	203.2	210.1
Cut or pierce . . . . .	860	741	764	209.8	181.1	189.4
Intentional injuries . . . . .	701	526	511	171.0	128.8	126.5
45–64 years <sup>2</sup> . . . . .	2,240	2,755	2,972	883.4	1,020.4	1,030.9
Unintentional injuries <sup>4</sup> . . . . .	1,845	2,108	2,325	727.6	781.0	806.7
Falls . . . . .	445	512	582	175.6	189.5	202.0
Struck by or against objects or persons . . . .	186	202	232	73.3	74.8	80.6
Motor vehicle traffic . . . . .	244	312	316	96.3	115.6	109.6
Cut or pierce . . . . .	203	289	294	79.9	107.2	101.9
Intentional injuries . . . . .	86	107	99	33.8	39.7	34.3
65 years and over <sup>2</sup> . . . . .	1,327	1,434	1,603	1,000.7	1,056.6	1,158.7
Unintentional injuries <sup>4</sup> . . . . .	1,009	1,109	1,207	760.6	817.2	872.1
Falls . . . . .	505	492	579	380.9	362.3	418.1
Struck by or against objects or persons . . . .	*39	84	112	*29.4	*61.9	*80.7
Motor vehicle traffic . . . . .	99	124	114	74.7	91.7	*82.5
Cut or pierce . . . . .	*81	117	102	*61.1	86.4	74.0
Intentional injuries . . . . .	*	19	10	*	*	*

See footnotes at end of table.

**Table 84 (page 2 of 2). Injury-related visits to hospital emergency departments by sex, age, and intent and mechanism of injury: United States, average annual 1995–96, 1997–98, and 1999–2000**

[Data are based on reporting by a sample of hospital emergency departments]

<i>Sex, age, and intent and mechanism of injury<sup>1</sup></i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>
Female	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>2,3</sup>	16,051	16,273	17,743	1,186.4	1,183.1	1,267.4
Under 18 years <sup>2</sup>	4,372	4,100	4,443	1,263.9	1,172.0	1,259.0
Unintentional injuries <sup>4</sup>	3,760	3,395	3,722	1,087.0	970.5	1,054.7
Falls	1,040	821	1,025	300.7	234.6	290.6
Struck by or against objects or persons	477	704	728	137.9	201.4	206.4
Motor vehicle traffic	447	403	430	129.3	115.4	122.0
Cut or pierce	253	265	232	73.0	75.9	65.7
Intentional injuries	220	178	149	63.6	50.9	42.3
18–24 years <sup>2</sup>	1,900	2,025	2,219	1,523.4	1,606.2	1,688.1
Unintentional injuries <sup>4</sup>	1,430	1,494	1,579	1,146.7	1,185.3	1,200.9
Falls	268	222	234	214.5	176.2	178.0
Struck by or against objects or persons	134	180	170	107.4	143.1	129.6
Motor vehicle traffic	373	473	469	298.8	374.9	357.1
Cut or pierce	131	121	156	105.3	96.0	118.3
Intentional injuries	239	227	219	191.7	179.9	166.8
25–44 years <sup>2</sup>	5,098	5,050	5,584	1,205.8	1,194.2	1,332.7
Unintentional injuries <sup>4</sup>	3,877	3,720	3,976	916.8	879.9	948.9
Falls	817	830	947	193.3	196.2	225.9
Struck by or against objects or persons	380	447	382	89.8	105.7	91.3
Motor vehicle traffic	872	821	788	206.2	194.3	188.0
Cut or pierce	338	378	434	79.8	89.3	103.5
Intentional injuries	422	400	425	99.8	94.7	101.5
45–64 years <sup>2</sup>	2,369	2,649	2,933	873.7	919.1	952.9
Unintentional injuries <sup>4</sup>	1,857	1,980	2,180	685.2	686.8	708.2
Falls	600	659	749	221.5	228.5	243.5
Struck by or against objects or persons	160	224	192	58.8	77.6	62.3
Motor vehicle traffic	343	331	324	126.5	114.7	105.2
Cut or pierce	127	192	175	46.9	66.6	56.8
Intentional injuries	*64	88	125	*23.5	30.4	40.5
65 years and over <sup>2</sup>	2,313	2,449	2,564	1,256.1	1,314.2	1,367.8
Unintentional injuries <sup>4</sup>	1,931	2,009	2,013	1,049.0	1,078.0	1,073.8
Falls	1,230	1,239	1,219	667.9	664.7	650.4
Struck by or against objects or persons	82	146	103	44.8	78.2	54.8
Motor vehicle traffic	169	163	132	91.6	87.5	70.6
Cut or pierce	*42	68	72	*22.7	*36.7	*38.3
Intentional injuries	*	31	20	*	*	*

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

<sup>1</sup>Intent and mechanism of injury are based on the first-listed external cause of injury code (E code). Intentional injuries include suicide attempts and assaults. See Appendix II, First-listed external cause of injury and Appendix II, table VII for listing of E codes.

<sup>2</sup>Includes all injury-related visits not shown separately in table including those with undetermined intent (less than 1 percent in 1999–2000), insufficient or no information to code cause of injury (about 13 percent in 1999–2000), and resulting from adverse effects of medical treatment (about 3 percent in 1999–2000).

<sup>3</sup>Rates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–24 years, 25–44 years, 45–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Includes unintentional injury-related visits with mechanism of injury not shown in table.

NOTES: An emergency department visit was considered injury related if the checkbox for injury was indicated or if the physician's diagnosis or the patient's reason for the visit were injury related. Rates are based on the civilian noninstitutionalized population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the Bureau of the Census. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey.

**Table 85 (page 1 of 2). Ambulatory care visits to primary care and specialist physicians, according to selected characteristics and type of physician: United States, 1980, 1990, and 2000**

[Data are based on reporting by a sample of office-based physicians]

Age, sex, and race	Type of primary care physician <sup>1</sup>											
	All primary care			General and family practice			Internal medicine			Pediatrics		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
Percent of all physician office visits												
Total . . . . .	56.6	54.9	51.1	33.5	29.9	24.1	12.1	13.8	15.3	10.9	11.2	11.7
Under 18 years . . . . .	76.6	78.3	78.6	26.1	26.5	19.9	2.0	2.9	*	48.5	48.9	57.3
18–44 years . . . . .	43.6	44.3	41.7	34.3	31.9	28.2	8.6	11.8	12.7	0.7	0.7	*0.9
45–64 years . . . . .	56.0	50.9	46.7	36.3	32.1	26.4	19.5	18.6	20.1	*	*	*
45–54 years . . . . .	54.6	49.4	46.7	37.4	32.0	27.8	17.1	17.1	18.7	*	*	*
55–64 years . . . . .	57.3	52.4	46.7	35.4	32.1	24.7	21.8	20.0	21.7	*	*	*
65 years and over . . . . .	60.3	51.5	45.0	37.5	28.1	20.2	22.7	23.3	24.5	*	*	*
65–74 years . . . . .	59.5	51.2	44.6	37.4	28.1	19.7	22.1	23.0	24.5	*	*	*
75 years and over . . . . .	61.3	51.8	45.4	37.6	28.0	20.8	23.5	23.7	24.5	*	*	*
Sex and age												
Male:												
Under 18 years . . . . .	77.1	77.9	77.4	25.6	24.1	18.3	2.0	3.0	*	49.4	50.7	58.0
18–44 years . . . . .	50.5	51.7	50.4	38.0	35.9	34.2	11.5	15.0	14.4	*	*	*1.7
45–64 years . . . . .	55.0	50.5	48.9	34.4	31.0	28.7	20.5	19.2	19.8	*	*	*
65 years and over . . . . .	57.9	51.1	43.1	35.6	27.7	19.3	22.3	23.3	23.8	*	*	*
Female:												
Under 18 years . . . . .	76.0	78.8	79.9	26.6	29.1	21.7	2.0	2.8	*	47.4	46.9	56.5
18–44 years . . . . .	40.4	41.0	37.6	32.5	30.0	25.3	7.3	10.3	11.9	*	*	*
45–64 years . . . . .	56.7	51.1	45.2	37.7	32.8	24.9	18.9	18.2	20.2	*	*	*
65 years and over . . . . .	61.8	51.7	46.3	38.7	28.3	20.9	22.9	23.3	25.0	*	*	*
Race and age <sup>2</sup>												
White:												
Under 18 years . . . . .	76.5	78.2	77.3	26.4	27.1	21.2	2.0	2.3	*	48.2	48.8	54.7
18–44 years . . . . .	43.8	43.2	41.0	34.5	31.9	29.2	8.6	10.6	11.0	*	*	*0.8
45–64 years . . . . .	55.4	49.4	44.6	36.0	31.5	27.3	19.2	17.6	17.1	*	*	*
65 years and over . . . . .	60.0	50.7	43.6	36.6	27.5	20.3	23.3	23.1	23.0	*	*	*
Black or African American:												
Under 18 years . . . . .	77.1	82.1	86.4	23.7	20.2	*	*	*	*	51.2	52.1	75.0
18–44 years . . . . .	41.4	50.4	44.3	31.7	31.9	22.0	9.0	18.1	20.9	*	*	*
45–64 years . . . . .	61.3	58.2	59.4	38.6	31.2	23.3	22.6	26.9	35.9	*	*	*
65 years and over . . . . .	63.3	57.8	52.1	49.0	28.9	*18.5	14.2	28.7	33.4	*	*	*

See footnotes at end of table.

**Table 85 (page 2 of 2). Ambulatory care visits to primary care and specialist physicians, according to selected characteristics and type of physician: United States, 1980, 1990, and 2000**

[Data are based on reporting by a sample of office-based physicians]

Age, sex, and race	Type of specialist physician <sup>1</sup>								
	All specialists			Obstetrics and gynecology			All other specialists		
	1980	1990	2000	1980	1990	2000	1980	1990	2000
Percent of all physician office visits									
Total . . . . .	43.4	45.1	48.9	9.6	9.0	7.9	33.8	36.1	40.9
Under 18 years . . . . .	23.4	21.7	21.4	1.3	1.2	*1.1	22.2	20.5	20.3
18–44 years . . . . .	56.4	55.7	58.3	21.7	21.5	20.7	34.7	34.1	37.5
45–64 years . . . . .	44.0	49.1	53.3	4.2	4.8	4.6	39.8	44.3	48.8
45–54 years . . . . .	45.4	50.6	53.3	5.6	6.5	5.6	39.8	44.2	47.7
55–64 years . . . . .	42.7	47.6	53.3	2.9	3.2	3.3	39.8	44.4	50.1
65 years and over . . . . .	39.7	48.5	55.0	1.4	1.2	1.5	38.4	47.3	53.5
65–74 years . . . . .	40.5	48.8	55.4	1.7	1.6	2.1	38.8	47.2	53.4
75 years and over . . . . .	38.7	48.2	54.6	1.0	*0.7	*1.0	37.7	47.5	53.6
Sex and age									
Male:									
Under 18 years . . . . .	22.9	22.1	22.6	...	...	*	22.7	21.9	22.3
18–44 years . . . . .	49.5	48.3	49.6	...	...	*	49.2	48.2	48.5
45–64 years . . . . .	45.0	49.5	51.1	...	...	*	44.4	49.4	50.6
65 years and over . . . . .	42.1	48.9	56.9	...	...	*	41.8	48.8	56.9
Female:									
Under 18 years . . . . .	24.0	21.2	20.1	2.5	2.3	2.1	21.5	18.9	18.0
18–44 years . . . . .	59.6	59.0	62.4	31.7	31.4	30.2	27.9	27.6	32.2
45–64 years . . . . .	43.3	48.9	54.8	6.7	7.9	7.3	36.6	40.9	47.5
65 years and over . . . . .	38.2	48.3	53.7	2.1	1.9	2.6	36.1	46.4	51.1
Race and age <sup>2</sup>									
White:									
Under 18 years . . . . .	23.5	21.8	22.7	1.1	1.0	*1.2	22.4	20.8	21.5
18–44 years . . . . .	56.2	56.8	59.0	21.0	21.8	20.8	35.2	35.0	38.2
45–64 years . . . . .	44.6	50.6	55.4	4.1	4.9	4.8	40.4	45.7	50.6
65 years and over . . . . .	40.0	49.3	56.4	1.4	1.3	1.5	38.6	48.1	54.9
Black or African American:									
Under 18 years . . . . .	22.9	17.9	*13.6	2.8	*3.4	*	20.1	14.5	*12.7
18–44 years . . . . .	58.6	49.6	55.7	27.1	18.6	20.7	31.5	31.0	35.0
45–64 years . . . . .	38.7	41.8	40.6	4.8	4.0	*2.4	33.9	37.9	38.3
65 years and over . . . . .	36.7	42.2	47.9	*	*	*	35.4	41.3	47.0

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

... Category not applicable.

<sup>1</sup>Type of physician is based on physician's self-designated primary area of practice. Primary care physicians are defined as practitioners in the fields of general and family practice, general internal medicine, and general pediatrics. Primary care physicians in general and family practice exclude specialists such as sports medicine and geriatrics. Primary care internal medicine physicians exclude internal medicine specialists such as allergists, cardiologists, endocrinologists, etc. Primary care pediatricians exclude pediatric specialists such as adolescent medicine specialists, neonatologists, pediatric allergists, pediatric cardiologists, etc. Specialist physicians include obstetricians and gynecologists in addition to other specialists not included in general and family practice, internal medicine, pediatrics, and all other specialists. See Appendix II, Physician specialty.

<sup>2</sup>Beginning in 1999 the instruction for the race item on the Patient Record Form was changed so that more than one race could be recorded. In previous years only one racial category could be checked. Estimates for racial groups presented in this table are for visits where only one race was recorded. Estimates for visits where multiple races were checked were unreliable and are not presented in this table.

NOTES: This table presents data on ambulatory care visits to physician offices and excludes ambulatory care visits to other sites such as hospital outpatient and emergency departments. In 1980 the survey excluded Alaska and Hawaii. Data for all other years include all 50 States. Excludes visits with type of physician unknown. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Ambulatory Medical Care Survey.



**Table 88. Home health care patients, according to age, sex, and diagnosis: United States, selected years 1992–2000**

[Data are based on a survey of current home health care patients]

<i>Age, sex, and diagnosis</i>	<i>1992</i>	<i>1994</i>	<i>1996</i>	<i>1998</i>	<i>2000</i>
Number of current patients					
Total home health care patients . . . . .	1,232,200	1,889,327	2,427,483	1,881,768	1,355,290
Current patients per 10,000 population					
Total . . . . .	47.8	71.8	90.6	69.6	48.7
Age at time of survey:					
Under 65 years, crude . . . . .	12.6	21.0	27.8	25.0	16.4
65 years and over, crude . . . . .	295.4	424.9	526.3	375.7	277.0
65 years and over, age adjusted <sup>1</sup> . . . . .	315.8	449.6	546.6	381.0	276.5
65–74 years . . . . .	151.7	209.1	240.1	202.0	130.2
75–84 years . . . . .	398.3	542.2	753.6	470.3	347.6
85 years and over . . . . .	775.9	1,206.1	1,253.4	885.4	694.1
Sex:					
Male, total . . . . .	32.6	47.8	60.9	47.9	35.1
Under 65 years, crude . . . . .	10.9	17.8	22.1	22.9	15.6
65 years and over, crude . . . . .	219.2	303.1	386.4	255.2	199.6
65 years and over, age adjusted <sup>1</sup> . . . . .	255.8	350.0	438.3	277.6	216.4
65–74 years . . . . .	121.8	169.9	187.0	159.7	100.7
75–84 years . . . . .	322.0	427.5	598.7	321.4	270.0
85 years and over . . . . .	635.2	893.1	1,044.3	653.0	553.9
Female, total . . . . .	62.4	94.7	118.9	90.4	61.8
Under 65 years, crude . . . . .	14.3	24.2	33.6	27.0	17.2
65 years and over, crude . . . . .	347.4	508.9	623.9	460.4	332.6
65 years and over, age adjusted <sup>1</sup> . . . . .	351.5	506.6	615.0	445.8	315.5
65–74 years . . . . .	175.3	240.6	283.2	236.3	154.6
75–84 years . . . . .	445.3	614.5	854.0	568.8	400.4
85 years and over . . . . .	830.7	1,327.6	1,337.0	981.7	754.9
Percent distribution					
Age at time of survey: <sup>2</sup>					
Under 65 years . . . . .	23.1	25.7	27.0	31.3	29.5
65 years and over . . . . .	76.9	74.3	73.0	68.7	70.5
65–74 years . . . . .	22.6	20.6	18.4	19.7	17.3
75–84 years . . . . .	33.9	31.2	35.3	29.9	31.3
85 years and over . . . . .	20.4	22.4	19.4	19.1	21.9
Sex:					
Male . . . . .	33.2	32.5	32.9	33.6	35.2
Female . . . . .	66.8	67.5	67.1	66.4	64.8
Primary admission diagnosis: <sup>3</sup>					
Malignant neoplasms . . . . .	5.7	5.7	4.8	3.8	4.9
Diabetes . . . . .	7.7	8.1	8.5	6.1	7.8
Diseases of the nervous system and sense organs . . . . .	6.3	8.0	5.8	7.6	6.1
Diseases of the circulatory system . . . . .	25.9	27.2	25.6	23.6	23.6
Diseases of heart . . . . .	12.6	14.3	10.9	12.3	10.9
Cerebrovascular diseases . . . . .	5.8	6.1	7.8	5.1	7.3
Diseases of the respiratory system . . . . .	6.6	6.1	7.7	7.9	6.8
Decubitus ulcers . . . . .	1.9	1.1	1.0	1.2	1.9
Diseases of the musculoskeletal system and connective tissue . . . . .	9.4	8.3	8.8	8.3	9.8
Osteoarthritis . . . . .	2.5	2.8	3.2	2.7	3.5
Fractures, all sites . . . . .	3.8	3.7	3.3	4.0	4.1
Fracture of neck of femur (hip) . . . . .	1.4	1.7	1.3	1.1	1.5
Other . . . . .	32.7	31.8	34.6	37.5	34.9

<sup>1</sup>Age adjusted by the direct method to the year 2000 standard population using the following three age groups: 65–74 years, 75–84 years, and 85 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Denominator excludes persons with unknown age.

<sup>3</sup>Denominator excludes persons with unknown diagnosis.

NOTES: Current home health care patients are those who were on the rolls of the agency as of midnight on the day immediately before the date of the survey. Rates are based on the civilian population as of July 1. Population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Diagnostic categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Home and Hospice Care Survey.

**Table 89. Hospice patients, according to age, sex, and diagnosis: United States, selected years 1992–2000**

[Data are based on a survey of current hospice patients]

<i>Age, sex, and diagnosis</i>	<i>1992</i>	<i>1994</i>	<i>1996</i>	<i>1998</i>	<i>2000</i>
Number of current patients					
Total hospice patients. . . . .	52,100	60,783	59,363	79,837	105,496
Current patients per 10,000 population					
Total. . . . .	2.0	2.3	2.2	3.0	3.8
Age at time of survey:					
Under 65 years, crude . . . . .	0.5	0.8	0.5	0.7	0.8
65 years and over, crude. . . . .	13.1	12.9	13.9	18.2	24.9
65 years and over, age adjusted <sup>1</sup> . . . . .	13.7	13.6	14.4	18.4	24.9
65–74 years . . . . .	7.8	7.3	7.8	9.9	10.1
75–84 years . . . . .	19.2	16.9	16.9	22.0	31.9
85 years and over . . . . .	23.4	30.6	34.7	44.7	67.3
Sex:					
Male, total . . . . .	1.9	2.1	2.0	2.6	3.3
Under 65 years, crude . . . . .	0.5	0.9	0.5	0.7	0.8
65 years and over, crude . . . . .	13.9	12.5	14.8	18.5	24.8
65 years and over, age adjusted <sup>1</sup> . . . . .	16.0	14.4	16.1	20.3	26.9
65–74 years . . . . .	6.3	7.0	10.4	10.2	13.0
75–84 years . . . . .	25.8	18.2	18.5	25.2	32.6
85 years and over . . . . .	28.8	34.8	33.9	49.2	69.9
Female, total . . . . .	2.1	2.5	2.4	3.3	4.3
Under 65 years, crude . . . . .	0.4	0.7	0.6	0.8	0.9
65 years and over, crude . . . . .	12.6	13.2	13.2	18.0	25.0
65 years and over, age adjusted <sup>1</sup> . . . . .	12.6	13.2	12.9	17.3	23.3
65–74 years . . . . .	8.9	7.5	5.8	9.6	7.6
75–84 years . . . . .	15.1	16.1	15.9	19.9	31.5
85 years and over . . . . .	21.4	29.0	35.0	42.9	66.2
Percent distribution					
Age at time of survey: <sup>2</sup>					
Under 65 years . . . . .	19.5	30.1	21.3	21.6	18.6
65 years and over . . . . .	80.5	69.9	78.7	78.4	81.4
65–74 years . . . . .	27.3	22.2	24.5	22.7	17.2
75–84 years . . . . .	38.6	30.1	32.4	32.9	37.0
85 years and over . . . . .	14.6	17.6	21.9	22.7	27.3
Sex:					
Male . . . . .	46.1	44.7	44.9	42.7	42.6
Female . . . . .	53.9	55.3	55.1	57.3	57.4
Primary admission diagnosis: <sup>3</sup>					
Malignant neoplasms . . . . .	65.7	57.2	58.3	55.5	51.9
Large intestine and rectum. . . . .	9.0	8.0	4.0	6.4	4.9
Trachea, bronchus, and lung . . . . .	21.1	12.5	15.8	13.0	12.3
Breast . . . . .	3.9	4.8	6.2	4.9	4.8
Prostate . . . . .	6.0	5.9	6.6	6.1	7.7
Diseases of heart . . . . .	10.2	9.3	8.3	9.7	12.8
Diseases of the respiratory system. . . . .	4.3	6.6	7.3	10.6	6.5
Other . . . . .	19.8	27.0	26.1	24.3	28.8

<sup>1</sup>Age adjusted by the direct method to the year 2000 standard population using the following three age groups: 65–74 years, 75–84 years, and 85 years and over. See Appendix II, Age adjustment.<sup>2</sup>Denominator excludes persons with unknown age.<sup>3</sup>Denominator excludes persons with unknown diagnosis.

NOTES: Current hospice patients are those who were on the rolls of the agency as of midnight on the day immediately before the date of the survey. Rates are based on the civilian population as of July 1. Population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Diagnostic categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Home and Hospice Care Survey.

**Table 90 (page 1 of 3). Discharges, days of care, and average length of stay in short-stay hospitals, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Discharges <sup>1</sup>			Days of care <sup>1</sup>			Average length of stay <sup>1</sup>		
	1997	1999	2000	1997	1999	2000	1997	1999	2000
	Number per 1,000 population						Number of days		
Total <sup>2,3</sup>	124.3	119.7	120.3	601.2	555.1	559.1	4.8	4.6	4.6
Age									
Under 18 years	90.8	76.3	76.8	319.0	302.6	293.0	3.5	4.0	3.8
Under 6 years	203.5	183.2	179.9	632.6	664.8	636.0	3.1	3.6	3.5
6–17 years	34.0	24.3	26.5	163.1	*126.5	126.3	4.8	*5.2	4.8
18–44 years	96.8	95.8	92.6	358.8	352.8	320.0	3.7	3.7	3.5
45–64 years	124.9	125.6	123.1	631.1	592.5	550.9	5.1	4.7	4.5
45–54 years	99.2	110.1	106.6	527.5	473.9	468.3	5.3	4.3	4.4
55–64 years	164.8	149.6	148.8	792.4	775.5	680.0	4.8	5.2	4.6
65 years and over	274.4	269.7	288.0	1,852.5	1,620.5	1,842.9	6.8	6.0	6.4
65–74 years	249.1	229.8	255.5	1,595.2	1,386.4	1,515.0	6.4	6.0	5.9
75 years and over	307.3	318.5	327.1	2,188.4	1,907.6	2,238.6	7.1	6.0	6.8
Under 65 years of age									
All persons under 65 years of age <sup>2,4</sup>	102.2	97.6	95.7	416.4	398.9	370.9	4.1	4.1	3.9
Sex <sup>4</sup>									
Male	79.1	77.9	74.2	374.9	374.0	344.2	4.7	4.8	4.6
Female	124.7	116.7	116.7	456.6	422.8	397.3	3.7	3.6	3.4
Race <sup>4,5</sup>									
White only	100.8	94.7	92.6	385.8	368.7	356.2	3.8	3.9	3.8
Black or African American only	126.3	122.8	122.3	688.6	638.3	524.7	5.5	5.2	4.3
American Indian and Alaska Native only	111.9	128.3	*108.2	*494.3	*570.0	*	*4.4	*4.4	*
Asian only	61.7	78.4	57.2	*268.6	*249.5	181.8	*4.4	*3.2	3.2
Native Hawaiian and Other Pacific Islander only	*	*	*	*	*	*	*	*	*
2 or more races	---	139.1	136.4	---	*688.8	497.1	---	*5.0	3.6
Hispanic origin and race <sup>4,5</sup>									
Hispanic or Latino	109.9	90.1	87.3	416.7	389.8	356.8	3.8	4.3	4.1
Not Hispanic or Latino	#	98.7	96.7	#	401.5	372.6	#	4.1	3.9
White only	99.6	95.4	94.1	382.7	368.4	359.0	3.8	3.9	3.8
Black or African American only	125.7	122.7	122.4	692.6	625.5	522.9	5.5	5.1	4.3
Poverty status <sup>4,6</sup>									
Poor	196.8	174.0	171.5	971.0	992.9	808.9	4.9	5.7	4.7
Near poor	125.5	150.3	146.6	553.7	671.4	583.3	4.4	4.5	4.0
Nonpoor	85.6	82.1	82.0	312.1	291.9	282.2	3.6	3.6	3.4
Hispanic origin and race and poverty status <sup>4,5,6</sup>									
Hispanic or Latino:									
Poor	163.9	122.3	133.0	625.1	555.2	597.9	3.8	4.5	4.5
Near poor	93.9	97.0	88.3	421.4	*434.9	351.6	4.5	*4.5	4.0
Nonpoor	95.4	79.2	70.8	297.9	295.4	269.1	3.1	3.7	3.8
Not Hispanic or Latino:									
White only:									
Poor	222.2	181.2	175.6	1,053.4	1,042.5	864.1	4.7	5.8	4.9
Near poor	132.8	166.8	165.4	539.1	683.8	627.9	4.1	4.1	3.8
Nonpoor	85.7	81.5	82.1	306.8	289.7	275.1	3.6	3.6	3.4
Black or African American only:									
Poor	195.9	223.6	217.0	*1,260.0	1,424.2	951.0	*6.4	6.4	4.4
Near poor	142.0	154.1	171.5	819.2	*920.3	853.4	5.8	*6.0	5.0
Nonpoor	92.3	86.7	96.5	389.0	332.7	375.5	4.2	3.8	3.9
Health insurance status <sup>4,7</sup>									
Insured	108.1	101.6	101.0	442.5	416.8	390.5	4.1	4.1	3.9
Private	84.3	78.9	81.8	302.7	279.3	273.6	3.6	3.5	3.3
Medicaid	310.3	335.8	285.8	1,554.8	1,687.1	1,431.9	5.0	5.0	5.0
Uninsured	75.3	75.7	72.9	296.3	304.2	274.5	3.9	4.0	3.8

See footnotes at end of table.

**Table 90 (page 2 of 3). Discharges, days of care, and average length of stay in short-stay hospitals, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Discharges <sup>1</sup>			Days of care <sup>1</sup>			Average length of stay <sup>1</sup>		
	1997	1999	2000	1997	1999	2000	1997	1999	2000
Poverty status and health insurance status <sup>4,6</sup>	Number per 1,000 population						Number of days		
Poor:									
Insured . . . . .	243.9	217.1	208.8	1,272.5	1,294.5	975.5	5.2	6.0	4.7
Uninsured . . . . .	110.0	101.5	113.1	459.4	476.9	552.0	4.2	4.7	4.9
Near poor:									
Insured . . . . .	149.2	184.3	165.5	663.8	837.5	699.3	4.4	4.5	4.2
Uninsured . . . . .	73.4	75.2	105.4	302.1	295.5	306.6	4.1	3.9	2.9
Nonpoor:									
Insured . . . . .	88.1	84.1	85.4	316.0	299.7	291.8	3.6	3.6	3.4
Uninsured . . . . .	*59.8	58.8	49.7	*253.5	197.6	171.7	*4.2	3.4	3.5
Geographic region <sup>4</sup>									
Northeast . . . . .	96.0	85.6	83.3	455.4	381.6	327.1	4.7	4.5	3.9
Midwest . . . . .	108.7	99.6	105.9	384.4	359.9	399.0	3.5	3.6	3.8
South . . . . .	111.8	112.8	105.3	466.1	463.9	417.1	4.2	4.1	4.0
West . . . . .	82.9	80.0	78.5	327.2	348.3	296.9	3.9	4.4	3.8
Location of residence <sup>4</sup>									
Within MSA <sup>8</sup> . . . . .	99.3	94.0	91.1	411.8	383.0	358.3	4.1	4.1	3.9
Outside MSA <sup>8</sup> . . . . .	113.2	111.9	113.9	435.9	459.4	418.2	3.8	4.1	3.7
65 years of age and over									
All persons 65 years of age and over <sup>2,9</sup> . . . . .	276.9	272.1	289.7	1,878.4	1,635.3	1,860.5	6.8	6.0	6.4
Sex <sup>9</sup>									
Male . . . . .	291.6	280.2	304.8	2,077.4	1,551.7	1,908.1	7.1	5.5	6.3
Female . . . . .	265.2	264.0	278.1	1,727.4	1,676.5	1,822.0	6.5	6.4	6.6
Hispanic origin and race <sup>5,9</sup>									
Hispanic or Latino . . . . .	312.7	289.8	315.7	2,512.1	1,882.8	1,795.6	8.0	6.5	5.7
Not Hispanic or Latino . . . . .	#	271.2	287.9	#	1,618.0	1,867.5	#	6.0	6.5
White only . . . . .	274.8	271.4	282.6	1,808.2	1,586.4	1,820.4	6.6	5.8	6.4
Black or African American only . . . . .	290.8	300.7	374.3	2,423.5	2,064.8	2,524.3	8.3	6.9	6.7
Poverty status <sup>6,9</sup>									
Poor . . . . .	357.4	394.7	347.8	2,690.9	2,169.0	2,459.3	7.5	5.5	7.1
Near poor . . . . .	329.6	328.5	338.9	2,498.3	1,954.8	2,026.0	7.6	6.0	6.0
Nonpoor . . . . .	256.6	247.3	276.9	1,680.3	1,510.4	1,779.9	6.5	6.1	6.4
Health insurance status <sup>7,9</sup>									
Medicare and private <sup>10</sup> . . . . .	266.3	268.1	282.0	1,719.8	1,573.7	1,815.4	6.5	5.9	6.4
Medicare and Medicaid <sup>10</sup> . . . . .	516.2	450.3	496.8	3,697.9	3,210.2	3,437.8	7.2	7.1	6.9
Medicare only . . . . .	231.1	250.2	240.3	1,623.9	1,453.2	1,420.8	7.0	5.8	5.9
Geographic region <sup>9</sup>									
Northeast . . . . .	265.0	288.0	244.0	1,828.5	1,873.4	1,596.3	6.9	6.5	6.5
Midwest . . . . .	285.2	244.0	317.1	1,971.1	1,475.3	2,174.3	6.9	6.0	6.9
South . . . . .	298.1	298.1	329.6	2,140.2	1,783.8	2,050.8	7.2	6.0	6.2
West . . . . .	237.2	238.5	233.7	1,299.2	1,284.6	1,415.7	5.5	5.4	6.1

See footnotes at end of table.

**Table 90 (page 3 of 3). Discharges, days of care, and average length of stay in short-stay hospitals, according to selected characteristics: United States, selected years 1997–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Discharges <sup>1</sup>			Days of care <sup>1</sup>			Average length of stay <sup>1</sup>		
	1997	1999	2000	1997	1999	2000	1997	1999	2000
Location of residence <sup>9</sup>	Number per 1,000 population						Number of days		
Within MSA <sup>8</sup>	271.3	265.3	279.1	1,875.9	1,653.3	1,844.3	6.9	6.2	6.6
Outside MSA <sup>8</sup>	295.1	295.3	322.7	1,893.6	1,574.8	1,909.8	6.4	5.3	5.9

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

--- Data not available.

# Estimates calculated upon request.

<sup>1</sup>See Appendix II, Discharge, Days of care, Average length of stay.

<sup>2</sup>Includes all other races not shown separately, unknown poverty status, and unknown health insurance status.

<sup>3</sup>Estimates for all persons are age adjusted to the year 2000 standard using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years of age and over. See Appendix II, Age adjustment.

<sup>4</sup>Estimates are for persons under 65 years of age and are age adjusted to the year 2000 standard population using four age groups: Under 18 years, 18–44 years, 45–54 years, and 55–64 years of age. See Appendix II, Age adjustment.

<sup>5</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1997 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, age-adjusted estimates of the hospital discharge rate based on the 1977 Standards for persons under 65 years of age are: 0.2 percentage points lower for white persons; 0.3 percentage points lower for black persons; 12.4 percentage points lower for AI/AN persons; 1.2 percentage points higher for Asian and Pacific Islander persons; and for persons 65 years of age and older: 0.4 percentage points lower for white persons; and 0.6 percentage points higher for black persons.

<sup>6</sup>Poverty status is based on family income, family size, number of children in the family, and for families with two or fewer adults the age of the adults in the family, using Bureau of the Census poverty thresholds. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Poverty level, Family income. Poverty status was missing for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, and 27 percent in 2000.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having Medicaid coverage. Starting in 1997 Medicaid includes state-sponsored health plans and Child Health Insurance Program (CHIP). See Appendix II, Health insurance coverage.

<sup>8</sup>MSA is metropolitan statistical area.

<sup>9</sup>Estimates are for persons 65 years of age and over and are age adjusted to the year 2000 standard population using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

<sup>10</sup>Includes some persons who do not have Medicare coverage.

NOTES: Hospital utilization data starting in 1997 are not comparable with data for earlier years due to the 1997 redesign. See Appendix I, National Health Interview Survey. Estimates of hospital utilization presented in this table are for all discharges. In years prior to 1997 estimates of hospital utilization from the National Health Interview Survey (NHIS) in *Health, United States* excluded hospitalizations for newborns and delivery. Estimates of hospital utilization from the NHIS and the National Hospital Discharge Survey (NHDS) may differ because NHIS data are based on household interviews of the civilian noninstitutionalized population, whereas NHDS data are based on hospital discharge records of all persons (NHDS tables presented in *Health, United States* exclude estimates for newborn infants). See Appendix I, National Hospital Discharge Survey. NHDS includes records for persons discharged alive or deceased and institutionalized persons; differences in the two surveys are particularly evident for children and the elderly. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.

**Table 91 (page 1 of 2). Discharges, days of care, and average length of stay in non-Federal short-stay hospitals, according to selected characteristics: United States, selected years 1980–2000**

[Data are based on a sample of hospital records]

<i>Characteristic</i>	<i>1980<sup>1</sup></i>	<i>1985<sup>1</sup></i>	<i>1990</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
Discharges per 1,000 population								
Total <sup>2</sup> . . . . .	173.4	151.4	125.2	116.0	116.1	117.9	117.8	114.9
Age								
Under 18 years . . . . .	75.6	61.4	46.4	39.7	40.6	40.4	42.2	40.1
18–44 years . . . . .	155.3	128.0	102.7	88.4	86.0	88.8	86.4	85.8
45–54 years . . . . .	174.8	146.8	112.4	95.0	93.7	92.7	94.5	94.2
55–64 years . . . . .	215.4	194.8	163.3	152.0	149.1	155.1	151.4	145.4
65 years and over . . . . .	383.7	369.8	334.1	349.2	361.1	365.3	370.4	359.6
65–74 years . . . . .	315.8	297.2	261.6	259.7	265.9	267.6	270.6	260.0
75 years and over . . . . .	489.3	475.6	434.0	459.0	474.0	477.4	481.6	468.3
Sex <sup>2</sup>								
Male . . . . .	153.2	137.3	113.0	102.8	103.0	102.8	103.4	99.9
Female . . . . .	195.0	167.3	139.0	129.9	130.0	133.3	132.2	129.8
Geographic region <sup>2</sup>								
Northeast . . . . .	162.0	142.6	133.2	125.6	125.5	127.3	129.0	130.7
Midwest . . . . .	192.1	158.1	128.8	114.4	115.5	116.4	115.6	112.4
South . . . . .	179.7	155.5	132.5	120.4	122.4	126.4	124.7	123.2
West . . . . .	150.5	145.7	100.7	101.6	97.9	97.1	98.5	89.3
Days of care per 1,000 population								
Total <sup>2</sup> . . . . .	1,297.0	997.5	818.9	611.6	595.2	598.6	588.8	566.1
Age								
Under 18 years . . . . .	341.4	281.2	226.3	174.4	169.8	182.4	185.5	178.3
18–44 years . . . . .	818.6	619.2	467.7	339.8	317.4	328.3	316.9	312.3
45–54 years . . . . .	1,314.9	967.8	699.7	486.3	460.8	452.9	451.0	447.5
55–64 years . . . . .	1,889.4	1,436.9	1,172.3	839.6	821.4	836.1	795.1	749.1
65 years and over . . . . .	4,098.3	3,228.0	2,895.6	2,284.0	2,285.6	2,264.2	2,256.8	2,148.9
65–74 years . . . . .	3,147.0	2,437.3	2,087.8	1,619.0	1,599.3	1,596.1	1,578.1	1,469.3
75 years and over . . . . .	5,578.8	4,381.3	4,009.1	3,100.4	3,099.6	3,030.8	3,012.9	2,890.7
Sex <sup>2</sup>								
Male . . . . .	1,239.7	973.3	805.8	601.8	573.8	576.7	565.4	539.9
Female . . . . .	1,365.2	1,033.1	840.5	624.6	619.3	622.9	613.6	591.8
Geographic region <sup>2</sup>								
Northeast . . . . .	1,400.6	1,113.0	1,026.7	774.3	739.2	731.0	733.6	736.9
Midwest . . . . .	1,484.8	1,078.6	830.6	573.1	556.3	552.5	532.6	507.6
South . . . . .	1,262.3	957.7	820.4	628.9	629.5	643.9	622.1	604.5
West . . . . .	956.9	824.7	575.5	468.0	445.3	450.4	461.4	407.8
Average length of stay in days								
Total <sup>2</sup> . . . . .	7.5	6.6	6.5	5.3	5.1	5.1	5.0	4.9
Age								
Under 18 years . . . . .	4.5	4.6	4.9	4.4	4.2	4.5	4.4	4.4
18–44 years . . . . .	5.3	4.8	4.6	3.8	3.7	3.7	3.7	3.6
45–54 years . . . . .	7.5	6.6	6.2	5.1	4.9	4.9	4.8	4.8
55–64 years . . . . .	8.8	7.4	7.2	5.5	5.5	5.4	5.3	5.2
65 years and over . . . . .	10.7	8.7	8.7	6.5	6.3	6.2	6.1	6.0
65–74 years . . . . .	10.0	8.2	8.0	6.2	6.0	6.0	5.8	5.7
75 years and over . . . . .	11.4	9.2	9.2	6.8	6.5	6.3	6.3	6.2
Sex <sup>2</sup>								
Male . . . . .	8.1	7.1	7.1	5.9	5.6	5.6	5.5	5.4
Female . . . . .	7.0	6.2	6.0	4.8	4.8	4.7	4.6	4.6

See footnotes at end of table.



**Table 91 (page 2 of 2). Discharges, days of care, and average length of stay in non-Federal short-stay hospitals, according to selected characteristics: United States, selected years 1980–2000**

[Data are based on a sample of hospital records]

<i>Characteristic</i>	<i>1980<sup>1</sup></i>	<i>1985<sup>1</sup></i>	<i>1990</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
Geographic region <sup>2</sup>	Average length of stay in days							
Northeast . . . . .	8.6	7.8	7.7	6.2	5.9	5.7	5.7	5.6
Midwest . . . . .	7.7	6.8	6.5	5.0	4.8	4.7	4.6	4.5
South . . . . .	7.0	6.2	6.2	5.2	5.1	5.1	5.0	4.9
West . . . . .	6.4	5.7	5.7	4.6	4.5	4.6	4.7	4.6

<sup>1</sup>Comparisons of data from 1980–85 with data from later years should be made with caution as estimates of change may reflect improvements in the design (see Appendix I) rather than true changes in hospital use.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

NOTES: Rates are based on the civilian population as of July 1. Rates for 1990–2000 use population estimates adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Estimates of hospital utilization from the National Health Interview Survey (NHIS) and the National Hospital Discharge Survey (NHDS) may differ because NHIS data are based on household interviews of the civilian noninstitutionalized population, whereas NHDS data are based on hospital discharge records of all persons. NHDS includes records for persons discharged alive or deceased and institutionalized persons, and excludes newborn infants. Differences in hospital utilization estimated by the two surveys are particularly evident for children and the elderly. For children NHIS estimates are higher than NHDS estimates due to inclusion of data for newborns. For the elderly NHDS estimates are higher than NHIS estimates because of inclusion of institutionalized persons and data for persons who died while hospitalized. See Appendix I. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.

**Table 93 (page 1 of 3). Rates of discharges and days of care in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2000**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges				Days of care			
	1990	1995	1999	2000	1990	1995	1999	2000
Both sexes								
Total <sup>1,2</sup>	125.2	118.0	117.8	114.9	818.9	638.6	588.8	566.1
Male								
Number per 1,000 population								
All ages <sup>1,2</sup>	113.0	104.8	103.4	99.9	805.8	623.9	565.4	539.9
Under 18 years <sup>2</sup>	46.3	43.1	43.0	40.8	233.6	199.8	197.7	195.0
Pneumonia	5.3	6.4	6.3	5.4	22.6	23.3	22.0	17.3
Asthma	3.3	3.8	3.3	3.5	9.3	10.1	7.7	7.4
Injuries and poisoning	6.8	5.4	4.9	5.0	30.1	22.1	*22.4	21.3
Fracture, all sites	2.2	1.8	1.6	1.8	9.3	8.4	5.3	7.2
18–44 years <sup>2</sup>	57.9	50.7	46.0	45.5	351.7	273.0	223.2	220.1
Alcohol and drug <sup>3</sup>	3.7	4.7	3.6	4.1	33.1	29.7	17.4	19.3
Serious mental illness <sup>4</sup>	3.4	*4.8	5.0	*5.4	47.1	*48.4	42.9	*44.1
Diseases of heart	3.0	2.9	3.0	2.7	16.3	12.1	10.9	9.5
Intervertebral disc disorders	2.6	1.7	1.5	1.5	10.7	4.3	*4.6	3.2
Injuries and poisoning	13.1	9.7	8.2	7.4	65.7	47.9	37.8	33.6
Fracture, all sites	4.0	3.2	2.8	2.6	22.7	17.8	12.3	13.0
45–64 years <sup>2</sup>	140.3	121.2	118.5	115.8	943.4	682.3	603.4	585.9
Malignant neoplasms	10.6	7.6	6.4	6.3	99.1	53.4	43.9	43.3
Trachea, bronchus, lung	2.7	1.5	1.0	0.9	19.1	10.2	6.3	5.3
Diabetes	2.9	3.4	3.3	3.8	21.2	22.3	20.0	23.1
Alcohol and drug <sup>3</sup>	3.5	4.0	4.0	3.6	29.7	*25.7	20.0	16.2
Serious mental illness <sup>4</sup>	2.5	3.0	4.0	*4.1	34.8	*38.0	40.4	*35.6
Diseases of heart	31.7	29.7	28.5	27.1	185.0	143.8	111.3	104.3
Ischemic heart disease	22.6	21.3	19.6	18.2	128.2	99.1	72.3	65.5
Acute myocardial infarction	7.4	7.5	6.7	6.0	55.8	42.5	30.9	28.6
Congestive heart failure	3.0	2.9	3.1	3.4	19.7	16.3	17.0	17.7
Cerebrovascular diseases	4.1	3.8	3.9	3.9	40.7	25.7	21.7	20.3
Pneumonia	3.5	3.0	4.0	3.5	27.4	20.6	24.5	21.1
Injuries and poisoning	11.6	10.2	9.5	9.0	82.6	56.2	51.0	51.1
Fracture, all sites	3.3	3.0	2.8	2.6	24.2	18.4	14.9	16.6
65–74 years <sup>2</sup>	287.8	276.2	283.5	269.7	2,251.5	1,769.7	1,639.7	1,516.6
Malignant neoplasms	27.9	24.5	22.7	17.9	277.6	191.9	152.3	123.4
Large intestine and rectum	3.0	2.6	2.9	3.0	34.2	27.9	25.9	27.8
Trachea, bronchus, lung	6.4	5.2	3.9	2.9	55.7	40.0	29.0	19.5
Prostate	5.1	5.0	4.7	3.8	33.1	26.7	14.6	14.2
Diabetes	4.4	5.4	5.1	4.8	39.8	47.1	28.7	29.5
Serious mental illness <sup>4</sup>	2.5	2.4	2.9	*3.5	43.8	*37.2	36.6	40.6
Diseases of heart	69.4	74.5	75.6	71.9	487.2	419.3	354.4	337.9
Ischemic heart disease	42.0	44.0	44.0	40.4	285.2	246.1	208.1	174.2
Acute myocardial infarction	14.0	15.5	15.2	12.7	122.4	102.3	92.1	67.7
Congestive heart failure	11.4	14.9	13.7	13.7	90.2	87.5	70.1	78.2
Cerebrovascular diseases	13.8	17.1	14.3	13.4	114.8	112.6	70.3	60.1
Pneumonia	11.4	12.7	14.9	13.0	107.8	87.3	89.1	83.5
Hyperplasia of prostate	14.4	7.5	4.8	5.5	65.0	22.5	*	15.2
Osteoarthritis	5.0	5.9	7.5	9.8	44.9	33.6	36.5	47.6
Injuries and poisoning	17.6	16.1	17.8	18.3	139.0	107.0	107.1	107.7
Fracture, all sites	4.5	4.4	4.9	4.8	45.9	32.3	30.0	30.5
Fracture of neck of femur (hip)	1.5	1.8	1.6	*2.0	*18.1	14.7	*11.7	*16.1
75 years and over <sup>2</sup>	478.5	474.7	481.8	461.5	4,231.6	3,261.7	3,045.7	2,851.7
Malignant neoplasms	41.0	30.2	28.2	21.6	408.3	251.2	215.9	163.1
Large intestine and rectum	5.4	4.9	4.3	4.1	80.7	53.1	44.6	43.5
Trachea, bronchus, lung	5.4	3.5	4.8	3.0	53.4	31.3	33.8	18.1
Prostate	9.7	4.3	3.7	3.1	65.6	17.6	*16.6	*19.1
Diabetes	4.6	6.9	6.9	6.4	51.2	42.0	52.5	42.7
Serious mental illness <sup>4</sup>	*2.6	2.5	2.8	2.9	*40.5	*29.6	26.6	*32.2
Diseases of heart	106.2	113.9	113.9	111.8	855.7	677.2	583.5	593.3
Ischemic heart disease	49.1	51.8	50.5	52.3	398.1	321.9	246.4	272.6
Acute myocardial infarction	23.1	22.3	21.3	22.7	227.5	169.3	127.3	134.8
Congestive heart failure	31.0	31.3	34.5	30.2	242.3	193.4	191.5	173.2
Cerebrovascular diseases	30.2	32.0	30.7	29.9	298.3	215.3	169.0	169.2
Pneumonia	38.6	40.4	41.0	36.7	393.6	325.1	281.1	230.4
Hyperplasia of prostate	17.9	9.4	7.5	6.7	109.2	32.9	*30.2	21.3
Osteoarthritis	5.8	6.5	8.0	6.1	60.7	*	37.7	28.4
Injuries and poisoning	31.2	32.7	32.9	33.2	341.3	223.5	233.5	254.5
Fracture, all sites	13.7	16.1	13.7	14.2	145.1	115.0	108.5	*117.7
Fracture of neck of femur (hip)	8.5	9.0	8.0	8.3	97.8	68.9	61.1	62.5

See footnotes at end of table.

**Table 93 (page 2 of 3). Rates of discharges and days of care in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2000**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges				Days of care			
	1990	1995	1999	2000	1990	1995	1999	2000
Female								
Number per 1,000 population								
All ages <sup>1,2</sup> . . . . .	139.0	131.7	132.2	129.8	840.5	654.9	613.6	591.8
Under 18 years <sup>2</sup> . . . . .	46.4	41.6	41.3	39.4	218.7	168.8	172.7	160.8
Pneumonia . . . . .	4.0	4.5	4.9	4.7	17.4	16.9	17.7	17.1
Asthma . . . . .	2.2	2.6	2.3	2.4	6.8	7.2	5.6	5.5
Injuries and poisoning . . . . .	4.3	3.9	3.5	3.1	16.7	13.1	*14.1	*11.9
Fracture, all sites . . . . .	1.3	1.1	0.8	0.9	6.4	4.5	2.4	2.3
18–44 years <sup>2</sup> . . . . .	146.8	131.8	126.4	125.7	582.0	429.8	409.8	403.9
Delivery . . . . .	69.9	65.1	66.1	65.0	195.0	138.7	163.4	161.4
Alcohol and drug <sup>3</sup> . . . . .	1.6	2.0	1.9	*2.1	14.1	12.9	*8.9	*10.9
Serious mental illness <sup>4</sup> . . . . .	3.7	5.3	5.1	*5.4	54.3	50.8	38.4	*41.4
Diseases of heart . . . . .	1.3	2.0	1.7	1.7	7.2	9.7	7.1	6.3
Intervertebral disc disorders . . . . .	1.5	1.1	1.1	1.0	7.3	3.1	2.6	2.5
Injuries and poisoning . . . . .	6.7	5.6	4.7	4.3	36.6	24.7	19.6	18.2
Fracture, all sites . . . . .	1.6	1.3	1.2	1.0	10.7	5.6	5.6	4.6
45–64 years <sup>2</sup> . . . . .	131.0	116.0	115.4	112.6	886.5	634.2	570.1	545.6
Malignant neoplasms . . . . .	12.7	9.6	6.9	6.2	107.4	60.8	46.9	35.5
Trachea, bronchus, lung . . . . .	1.7	1.5	0.9	0.5	14.8	8.0	*6.7	3.4
Breast . . . . .	2.8	2.1	1.4	1.3	12.1	7.6	3.6	2.7
Diabetes . . . . .	2.9	3.2	3.0	3.0	25.8	19.4	15.8	15.3
Alcohol and drug <sup>3</sup> . . . . .	1.0	1.1	1.2	1.5	8.0	*7.5	*6.3	*7.2
Serious mental illness <sup>4</sup> . . . . .	4.0	4.4	4.6	4.7	60.5	48.9	40.6	43.6
Diseases of heart . . . . .	16.6	15.0	15.9	15.0	101.1	70.9	68.3	60.8
Ischemic heart disease . . . . .	9.9	8.4	8.9	8.0	57.4	37.9	34.9	30.1
Acute myocardial infarction . . . . .	2.8	2.5	2.7	2.0	21.6	15.1	12.8	10.2
Congestive heart failure . . . . .	2.1	2.6	2.7	3.0	15.8	14.5	13.5	13.9
Cerebrovascular diseases . . . . .	3.0	3.2	3.4	3.6	32.1	21.4	18.7	19.9
Pneumonia . . . . .	3.4	3.3	3.8	3.7	26.5	22.0	20.5	21.2
Injuries and poisoning . . . . .	9.4	8.4	8.4	7.9	63.3	45.4	46.2	42.2
Fracture, all sites . . . . .	3.1	2.7	2.7	2.8	25.0	14.0	13.5	13.6
65–74 years <sup>2</sup> . . . . .	241.1	246.9	260.0	251.9	1,959.3	1,616.2	1,527.3	1,430.1
Malignant neoplasms . . . . .	20.9	20.3	15.5	14.4	189.8	148.6	106.3	103.4
Large intestine and rectum . . . . .	2.4	2.3	2.0	1.7	34.9	19.9	18.2	15.6
Trachea, bronchus, lung . . . . .	2.6	2.8	2.1	2.5	26.9	25.3	*17.5	*17.9
Breast . . . . .	3.9	3.2	2.6	2.9	17.6	10.0	*8.1	*
Diabetes . . . . .	5.8	4.7	5.9	4.7	46.8	36.2	39.2	26.7
Serious mental illness <sup>4</sup> . . . . .	3.9	5.8	4.2	4.1	62.8	82.9	49.7	47.4
Diseases of heart . . . . .	45.1	48.3	54.3	53.3	316.9	276.9	268.3	262.1
Ischemic heart disease . . . . .	24.4	24.3	25.8	23.9	153.8	135.4	125.1	116.6
Acute myocardial infarction . . . . .	7.5	7.9	8.2	8.2	58.1	58.6	50.0	54.0
Congestive heart failure . . . . .	9.2	10.3	11.1	13.0	81.8	67.6	59.5	70.0
Cerebrovascular diseases . . . . .	11.3	10.6	13.0	12.6	96.0	72.0	67.7	60.8
Pneumonia . . . . .	8.7	10.6	12.1	11.9	81.8	80.1	73.1	75.2
Osteoarthritis . . . . .	6.9	8.6	10.1	9.5	68.9	49.0	48.2	44.6
Injuries and poisoning . . . . .	17.8	18.1	17.8	18.8	166.2	113.8	108.6	112.5
Fracture, all sites . . . . .	8.4	7.0	7.8	7.9	97.3	43.9	44.7	44.8
Fracture of neck of femur (hip) . . . . .	3.6	2.9	3.1	3.2	*59.6	21.5	19.7	21.6

See footnotes at end of table.

**Table 93 (page 3 of 3). Rates of discharges and days of care in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2000**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges				Days of care			
	1990	1995	1999	2000	1990	1995	1999	2000
Female—Con.	Number per 1,000 population							
75 years and over <sup>2</sup> . . . . .	409.6	450.1	481.4	472.3	3,887.1	3,239.9	2,993.1	2,914.5
Malignant neoplasms . . . . .	22.1	20.5	20.6	18.1	257.3	175.2	168.2	129.4
Large intestine and rectum . . . . .	4.6	3.7	4.5	3.5	69.8	48.5	46.7	29.2
Trachea, bronchus, lung . . . . .	2.1	1.9	2.2	2.0	20.6	16.2	17.1	14.4
Breast . . . . .	3.9	3.1	2.5	2.6	22.0	9.0	6.5	*9.2
Diabetes . . . . .	4.6	6.2	5.7	6.5	55.3	44.0	30.8	35.0
Serious mental illness <sup>4</sup> . . . . .	4.2	5.0	4.3	4.8	78.4	72.7	58.1	50.7
Diseases of heart . . . . .	84.6	96.1	103.0	102.0	672.8	601.3	541.5	538.9
Ischemic heart disease . . . . .	33.7	37.3	38.2	36.6	253.2	220.9	194.5	190.9
Acute myocardial infarction . . . . .	13.1	15.2	17.3	16.9	125.9	116.0	112.9	113.9
Congestive heart failure . . . . .	28.0	32.3	32.2	33.1	236.6	224.0	186.8	187.1
Cerebrovascular diseases . . . . .	29.6	30.4	26.9	28.4	302.0	207.5	150.5	161.4
Pneumonia . . . . .	23.9	28.0	32.2	31.4	260.1	227.3	222.9	215.9
Osteoarthritis . . . . .	5.3	8.8	9.2	8.9	54.1	58.5	41.5	41.6
Injuries and poisoning . . . . .	46.3	48.2	49.7	46.0	489.2	372.8	308.4	283.6
Fracture, all sites . . . . .	31.5	31.5	32.7	30.9	352.7	251.5	200.2	195.7
Fracture of neck of femur (hip) . . . . .	18.8	19.5	19.7	18.4	236.3	171.4	126.3	129.0

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

<sup>1</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Includes discharges with first-listed diagnoses not shown in table.

<sup>3</sup>Includes abuse, dependence, and withdrawal. These estimates are for non-Federal short-stay hospitals and do not include alcohol and drug discharges from other types of facilities or programs such as the Department of Veterans Affairs or day treatment programs.

<sup>4</sup>These estimates are for non-Federal short-stay hospitals and do not include serious mental illness discharges from other types of facilities or programs such as the Department of Veterans Affairs or long-term hospitals.

NOTES: Excludes newborn infants. Rates are based on the civilian population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Diagnostic categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.

**Table 94 (page 1 of 3). Discharges and average length of stay in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2000**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges				Average length of stay			
	1990	1995	1999	2000	1990	1995	1999	2000
Both sexes	Number in thousands				Number of days			
Total <sup>1,2</sup>	30,788	30,722	32,132	31,706	6.5	5.4	5.0	4.9
Male								
All ages <sup>1,2</sup>	12,280	12,198	12,748	12,514	7.1	6.0	5.5	5.4
Under 18 years <sup>2</sup>	1,572	1,565	1,592	1,515	5.0	4.6	4.6	4.8
Pneumonia	178	234	233	199	4.3	3.6	3.5	3.2
Asthma	111	137	121	129	2.8	2.7	2.4	2.1
Injuries and poisoning	232	196	182	185	4.4	4.1	*4.5	4.3
Fracture, all sites	76	66	60	68	4.2	4.6	3.2	3.9
18–44 years <sup>2</sup>	3,120	2,761	2,521	2,498	6.1	5.4	4.8	4.8
Alcohol and drug <sup>3</sup>	201	258	197	224	8.9	6.3	4.8	4.7
Serious mental illness <sup>4</sup>	184	*262	275	*296	13.8	*10.0	8.6	*8.2
Diseases of heart	163	157	164	148	5.4	4.2	3.6	3.5
Intervertebral disc disorders	138	94	84	81	4.2	2.5	*3.0	2.2
Injuries and poisoning	704	529	449	408	5.0	4.9	4.6	4.5
Fracture, all sites	217	176	155	141	5.6	5.5	4.4	5.0
45–64 years <sup>2</sup>	3,115	3,053	3,390	3,424	6.7	5.6	5.1	5.1
Malignant neoplasms	235	191	183	188	9.4	7.0	6.8	6.8
Trachea, bronchus, lung	60	37	28	26	7.1	6.9	6.5	6.0
Diabetes	65	86	96	114	7.3	6.5	6.0	6.0
Alcohol and drug <sup>3</sup>	77	102	115	106	8.5	*6.4	5.0	4.5
Serious mental illness <sup>4</sup>	56	75	115	*120	13.7	*12.7	10.0	*8.8
Diseases of heart	704	749	815	802	5.8	4.8	3.9	3.8
Ischemic heart disease	502	537	561	539	5.7	4.6	3.7	3.6
Acute myocardial infarction	165	188	191	178	7.5	5.7	4.6	4.7
Congestive heart failure	66	73	90	101	6.7	5.6	5.4	5.2
Cerebrovascular diseases	91	96	111	116	10.0	6.8	5.6	5.2
Pneumonia	77	75	113	104	7.9	6.9	6.2	6.0
Injuries and poisoning	257	257	271	266	7.2	5.5	5.4	5.7
Fracture, all sites	74	74	81	77	7.2	6.3	5.3	6.4
65–74 years <sup>2</sup>	2,268	2,290	2,310	2,199	7.8	6.4	5.8	5.6
Malignant neoplasms	220	203	185	146	9.9	7.8	6.7	6.9
Large intestine and rectum	24	22	24	24	11.4	10.7	8.8	9.2
Trachea, bronchus, lung	50	44	32	23	8.7	7.6	7.5	6.8
Prostate	40	41	38	31	6.5	5.3	3.1	3.8
Diabetes	34	44	41	39	9.1	8.8	5.6	6.2
Serious mental illness <sup>4</sup>	20	20	23	*28	17.4	*15.7	12.8	*11.7
Diseases of heart	547	618	616	586	7.0	5.6	4.7	4.7
Ischemic heart disease	331	365	358	329	6.8	5.6	4.7	4.3
Acute myocardial infarction	110	129	124	104	8.8	6.6	6.1	5.3
Congestive heart failure	90	123	111	112	7.9	5.9	5.1	5.7
Cerebrovascular diseases	108	141	116	109	8.3	6.6	4.9	4.5
Pneumonia	90	105	122	106	9.5	6.9	6.0	6.4
Hyperplasia of prostate	113	62	39	45	4.5	3.0	*	2.8
Osteoarthritis	39	49	61	80	9.0	5.7	4.9	4.9
Injuries and poisoning	139	133	145	149	7.9	6.7	6.0	5.9
Fracture, all sites	36	36	40	39	10.2	7.4	6.2	6.4
Fracture of neck of femur (hip)	12	15	13	*17	*11.8	8.1	*7.1	*7.9
75 years and over <sup>2</sup>	2,203	2,528	2,935	2,878	8.8	6.9	6.3	6.2
Malignant neoplasms	189	161	172	135	10.0	8.3	7.7	7.6
Large intestine and rectum	25	26	26	26	15.0	10.8	10.5	10.6
Trachea, bronchus, lung	25	19	29	18	10.0	8.9	7.0	6.1
Prostate	45	23	23	20	6.8	4.1	*4.4	*6.1
Diabetes	21	37	42	40	11.0	6.1	7.6	6.6
Serious mental illness <sup>4</sup>	*12	13	17	18	*15.5	*11.9	9.6	*11.2
Diseases of heart	489	606	694	697	8.1	5.9	5.1	5.3
Ischemic heart disease	226	276	308	326	8.1	6.2	4.9	5.2
Acute myocardial infarction	106	119	130	141	9.9	7.6	6.0	5.9
Congestive heart failure	143	167	210	188	7.8	6.2	5.5	5.7
Cerebrovascular diseases	139	171	187	186	9.9	6.7	5.5	5.7
Pneumonia	178	215	250	229	10.2	8.0	6.9	6.3
Hyperplasia of prostate	82	50	46	42	6.1	3.5	*4.0	3.2
Osteoarthritis	27	35	49	38	10.5	*	4.7	4.6
Injuries and poisoning	144	174	201	207	10.9	6.8	7.1	7.7
Fracture, all sites	63	86	84	89	10.6	7.1	7.9	*8.3
Fracture of neck of femur (hip)	39	48	49	52	11.5	7.7	7.6	7.5

See footnotes at end of table.

**Table 94 (page 2 of 3). Discharges and average length of stay in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2000**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges				Average length of stay			
	1990	1995	1999	2000	1990	1995	1999	2000
Female	Number in thousands				Number of days			
All ages <sup>1,2</sup> . . . . .	18,508	18,525	19,384	19,192	6.0	5.0	4.6	4.6
Under 18 years <sup>2</sup> . . . . .	1,500	1,437	1,458	1,397	4.7	4.1	4.2	4.1
Pneumonia . . . . .	129	155	174	168	4.4	3.8	3.6	3.6
Asthma . . . . .	71	90	82	85	3.1	2.8	2.4	2.3
Injuries and poisoning . . . . .	138	136	122	111	3.9	3.3	*4.1	*3.8
Fracture, all sites . . . . .	42	36	29	32	5.0	4.2	2.9	2.5
18–44 years <sup>2</sup> . . . . .	8,018	7,235	6,980	6,941	4.0	3.3	3.2	3.2
Delivery . . . . .	3,815	3,574	3,650	3,588	2.8	2.1	2.5	2.5
Alcohol and drug <sup>3</sup> . . . . .	85	108	102	*116	9.1	6.6	*4.8	*5.2
Serious mental illness <sup>4</sup> . . . . .	200	289	283	*300	14.8	9.7	7.5	*7.6
Diseases of heart . . . . .	73	108	94	95	5.4	4.9	4.2	3.7
Intervertebral disc disorders . . . . .	84	62	59	58	4.7	2.7	2.4	2.3
Injuries and poisoning . . . . .	366	305	261	237	5.5	4.4	4.2	4.2
Fracture, all sites . . . . .	85	74	65	57	6.9	4.2	4.8	4.4
45–64 years <sup>2</sup> . . . . .	3,129	3,115	3,508	3,534	6.8	5.5	4.9	4.8
Malignant neoplasms . . . . .	303	258	211	195	8.5	6.3	6.8	5.7
Trachea, bronchus, lung . . . . .	41	39	27	17	8.6	5.5	*7.6	6.4
Breast . . . . .	67	56	42	40	4.3	3.6	2.7	2.1
Diabetes . . . . .	70	86	91	93	8.9	6.0	5.3	5.2
Alcohol and drug <sup>3</sup> . . . . .	23	30	38	47	8.2	*6.8	*5.0	*4.8
Serious mental illness <sup>4</sup> . . . . .	95	118	140	146	15.2	11.1	8.8	9.4
Diseases of heart . . . . .	397	403	484	470	6.1	4.7	4.3	4.1
Ischemic heart disease . . . . .	237	225	272	251	5.8	4.5	3.9	3.8
Acute myocardial infarction . . . . .	68	68	83	64	7.6	6.0	4.7	5.0
Congestive heart failure . . . . .	51	68	83	94	7.4	5.7	4.9	4.6
Cerebrovascular diseases . . . . .	72	86	104	113	10.7	6.7	5.5	5.5
Pneumonia . . . . .	80	88	117	117	7.9	6.7	5.3	5.7
Injuries and poisoning . . . . .	225	225	255	248	6.7	5.4	5.5	5.3
Fracture, all sites . . . . .	75	72	81	87	7.9	5.2	5.1	4.9
65–74 years <sup>2</sup> . . . . .	2,421	2,542	2,573	2,479	8.1	6.5	5.9	5.7
Malignant neoplasms . . . . .	210	209	154	142	9.1	7.3	6.8	7.2
Large intestine and rectum . . . . .	24	23	20	17	14.5	8.8	8.9	9.0
Trachea, bronchus, lung . . . . .	26	29	21	25	10.2	8.9	*8.4	*7.1
Breast . . . . .	40	33	26	29	4.5	3.1	*3.1	*
Diabetes . . . . .	59	49	58	47	8.0	7.7	6.7	5.6
Serious mental illness <sup>4</sup> . . . . .	39	60	42	40	16.3	14.2	11.7	11.7
Diseases of heart . . . . .	453	497	537	525	7.0	5.7	4.9	4.9
Ischemic heart disease . . . . .	245	250	255	235	6.3	5.6	4.8	4.9
Acute myocardial infarction . . . . .	75	82	81	81	7.8	7.4	6.1	6.6
Congestive heart failure . . . . .	92	106	110	128	8.9	6.5	5.4	5.4
Cerebrovascular diseases . . . . .	114	109	128	124	8.5	6.8	5.2	4.8
Pneumonia . . . . .	87	109	120	117	9.4	7.6	6.0	6.3
Osteoarthritis . . . . .	69	89	100	94	10.0	5.7	4.8	4.7
Injuries and poisoning . . . . .	179	187	176	185	9.3	6.3	6.1	6.0
Fracture, all sites . . . . .	85	72	77	77	11.5	6.2	5.7	5.7
Fracture of neck of femur (hip) . . . . .	36	29	30	32	*16.7	7.5	6.4	6.7

See footnotes at end of table.



**Table 94 (page 3 of 3). Discharges and average length of stay in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2000**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges				Average length of stay			
	1990	1995	1999	2000	1990	1995	1999	2000
Female—Con.	Number in thousands				Number of days			
75 years and over <sup>2</sup>	3,440	4,196	4,865	4,840	9.5	7.2	6.2	6.2
Malignant neoplasms	185	191	209	186	11.7	8.5	8.1	7.1
Large intestine and rectum	39	34	45	36	15.1	13.3	10.4	8.4
Trachea, bronchus, lung	18	17	23	20	9.9	8.7	7.7	7.3
Breast	33	29	26	27	5.7	2.9	2.6	*3.5
Diabetes	39	58	57	67	11.9	7.1	5.5	5.4
Serious mental illness <sup>4</sup>	35	47	43	49	18.7	14.5	13.5	10.5
Diseases of heart	711	896	1,041	1,045	8.0	6.3	5.3	5.3
Ischemic heart disease	283	347	386	375	7.5	5.9	5.1	5.2
Acute myocardial infarction	110	142	175	174	9.6	7.6	6.5	6.7
Congestive heart failure	235	301	325	339	8.5	6.9	5.8	5.6
Cerebrovascular diseases	249	283	272	292	10.2	6.8	5.6	5.7
Pneumonia	201	261	326	322	10.9	8.1	6.9	6.9
Osteoarthritis	45	82	93	91	10.2	6.6	4.5	4.7
Injuries and poisoning	389	449	502	472	10.6	7.7	6.2	6.2
Fracture, all sites	265	294	331	316	11.2	8.0	6.1	6.3
Fracture of neck of femur (hip)	158	182	199	189	12.5	8.8	6.4	7.0

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

<sup>1</sup> Average length of stay estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>2</sup> Includes discharges with first-listed diagnoses not shown in table.

<sup>3</sup> Includes abuse, dependence, and withdrawal. These estimates are for non-Federal short-stay hospitals and do not include alcohol and drug discharges from other types of facilities or programs such as the Department of Veterans Affairs or day treatment programs.

<sup>4</sup> These estimates are for non-Federal short-stay hospitals and do not include serious mental illness discharges from other types of facilities or programs such as the Department of Veterans Affairs or long-term hospitals.

NOTES: Excludes newborn infants. Diagnostic categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX. Data for additional years are available (see Appendix III).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.

**Table 95 (page 1 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2000**

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory <sup>1</sup>			Inpatient <sup>2</sup>					
	1994	1995	1996	1994	1995	1996	1998	1999	2000
Both sexes									
Procedures per 1,000 population									
Total <sup>3,4</sup> . . . . .	107.9	113.6	120.1	157.9	152.7	153.3	153.8	151.5	145.0
Male									
All ages <sup>3,4</sup> . . . . .	102.5	107.9	115.0	139.1	135.1	136.1	133.9	133.4	125.3
Under 18 years <sup>4</sup> . . . . .	45.6	43.0	44.7	36.0	37.4	36.3	36.1	37.6	34.6
Myringotomy with insertion of tube . . . . .	9.1	8.5	8.2	0.4	0.3	0.4	0.4	*0.2	*0.3
Tonsillectomy, with or without adenoidectomy . . . . .	3.6	4.1	3.6	0.4	0.4	0.4	*0.2	*0.2	*0.2
Reduction of fracture . . . . .	1.0	1.0	1.2	1.6	1.2	1.5	1.3	1.3	1.3
18–44 years <sup>4</sup> . . . . .	58.4	61.3	63.7	62.7	59.5	58.1	54.4	52.5	49.8
Cardiac catheterization . . . . .	0.5	*0.3	0.6	1.1	1.1	1.2	1.1	1.2	1.1
Endoscopy of small or large intestine with or without biopsy . . . . .	5.2	5.2	5.8	2.0	1.8	1.5	1.6	1.5	1.5
Cholecystectomy . . . . .	*0.2	*0.3	0.5	0.5	0.5	0.4	0.5	0.5	0.4
Reduction of fracture . . . . .	1.0	1.0	1.4	2.3	2.5	2.4	2.0	2.2	2.1
Arthroscopy of the knee . . . . .	3.5	4.0	3.4	0.5	0.3	*0.2	*0.1	*	*
Excision or destruction of intervertebral disc . . . . .	*	*	*0.3	1.7	1.5	1.4	1.4	1.4	1.3
Angiocardiology with contrast material . . . . .	0.7	0.4	0.6	1.8	1.8	1.8	1.5	1.7	1.6
45–64 years <sup>4</sup> . . . . .	132.7	146.8	155.9	189.0	180.7	185.9	179.2	177.9	170.3
Coronary angioplasty . . . . .	*	*	*	5.6	5.6	6.4	6.3	7.2	5.9
Coronary artery bypass graft <sup>5</sup> . . . . .	—	—	—	6.7	7.6	7.2	6.7	6.2	5.8
Cardiac catheterization . . . . .	3.3	3.8	5.4	11.7	11.7	12.7	11.9	12.6	11.7
Endoscopy of small or large intestine with or without biopsy . . . . .	20.2	21.1	21.8	7.2	6.5	6.4	6.1	5.8	6.1
Cholecystectomy . . . . .	*0.5	*0.7	1.1	2.1	1.8	2.1	1.5	1.7	1.7
Prostatectomy . . . . .	*	*	*	2.5	2.2	1.9	1.7	1.7	1.6
Reduction of fracture . . . . .	*0.6	*0.8	0.8	2.3	2.3	2.0	2.4	1.9	2.0
Arthroscopy of the knee . . . . .	3.7	4.5	4.4	*0.3	*	*	*	*	*
Excision or destruction of intervertebral disc . . . . .	*	*	*	2.6	2.2	2.6	2.5	2.4	2.3
Angiocardiology with contrast material . . . . .	4.6	5.1	6.4	16.0	15.8	17.7	15.2	15.7	15.1
65–74 years <sup>4</sup> . . . . .	271.6	282.5	316.4	426.4	419.5	417.7	416.6	417.1	395.6
Coronary angioplasty . . . . .	*	*	*	10.0	9.4	11.7	12.1	12.6	12.4
Extraction of lens . . . . .	31.6	33.4	36.9	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos) . . . . .	25.8	26.0	29.6	*	*	*	*	*	*
Coronary artery bypass graft <sup>5</sup> . . . . .	—	—	—	15.4	18.3	19.2	15.4	15.9	13.7
Cardiac catheterization . . . . .	5.7	7.1	10.2	22.3	23.6	23.1	24.7	24.1	22.8
Pacemaker insertion or replacement . . . . .	*	*	*	5.6	4.8	5.7	6.7	5.0	4.5
Carotid endarterectomy . . . . .	*	—	*	3.3	4.2	3.9	3.2	3.1	3.0
Endoscopy of small or large intestine with or without biopsy . . . . .	42.6	42.8	40.2	18.4	16.5	16.6	16.2	17.1	16.9
Cholecystectomy . . . . .	*	*	*	4.5	4.4	4.0	3.8	3.7	3.9
Prostatectomy . . . . .	*	*	*1.5	14.2	12.3	10.3	9.7	9.1	8.8
Reduction of fracture . . . . .	*	*	*	2.8	2.5	2.4	2.6	2.8	2.8
Total hip replacement . . . . .	—	—	—	1.7	2.5	2.3	2.3	2.5	2.7
Angiocardiology with contrast material . . . . .	9.0	9.3	13.5	31.0	30.5	29.7	30.5	30.3	28.5
75 years and over <sup>4</sup> . . . . .	339.2	355.1	378.7	584.1	567.2	578.9	591.7	593.3	540.7
Coronary angioplasty . . . . .	*	—	*	6.5	8.2	7.4	8.5	10.9	10.1
Extraction of lens . . . . .	61.7	71.5	71.6	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos) . . . . .	47.9	53.6	55.1	*	*	*	*	*	*
Coronary artery bypass graft <sup>5</sup> . . . . .	—	—	—	10.7	12.5	11.6	12.3	11.5	12.2
Cardiac catheterization . . . . .	*3.8	4.7	7.1	18.1	19.2	19.7	19.4	21.4	21.2
Pacemaker insertion or replacement . . . . .	*	*	*	15.4	15.4	16.4	15.8	13.9	14.4
Carotid endarterectomy . . . . .	*	—	—	3.6	4.6	4.6	4.3	4.2	4.2
Endoscopy of small or large intestine with or without biopsy . . . . .	43.2	43.4	48.9	35.9	36.4	35.2	37.1	33.6	32.5
Cholecystectomy . . . . .	*	*	*	6.2	5.5	5.8	4.8	4.5	4.6
Prostatectomy . . . . .	*2.1	*2.3	*2.2	16.1	15.3	12.3	12.5	10.8	10.0
Reduction of fracture . . . . .	*	*	*	6.4	6.4	6.6	6.6	6.3	6.5
Total hip replacement . . . . .	—	—	—	2.2	2.1	2.2	3.4	2.5	1.8
Angiocardiology with contrast material . . . . .	*3.8	5.5	10.3	24.2	24.0	25.9	24.0	25.5	26.6

See footnotes at end of table.

**Table 95 (page 2 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2000**

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory <sup>1</sup>			Inpatient <sup>2</sup>					
	1994	1995	1996	1994	1995	1996	1998	1999	2000
Female									
Procedures per 1,000 population									
All ages <sup>3,4</sup> . . . . .	114.2	120.1	126.1	179.2	172.7	173.0	175.6	171.5	165.9
Under 18 years <sup>4</sup> . . . . .	35.3	34.3	34.8	40.3	39.0	38.4	39.3	38.0	34.4
Myringotomy with insertion of tube . . . . .	6.7	6.3	5.6	0.4	*0.3	*0.3	*	*	*0.2
Tonsillectomy, with or without adenoidectomy . . . . .	4.8	4.4	4.7	0.5	0.4	0.3	0.3	*0.2	*0.2
Reduction of fracture . . . . .	*0.5	0.7	0.8	0.8	0.7	0.5	0.8	0.5	0.7
18–44 years <sup>4</sup> . . . . .	94.9	96.9	102.2	203.6	195.4	195.0	195.7	185.8	185.2
Cardiac catheterization . . . . .	*	*0.2	*0.3	0.5	0.5	0.4	0.5	0.6	0.6
Endoscopy of small or large intestine with or without biopsy . . . . .	6.6	7.4	8.4	2.1	1.9	1.9	1.6	1.7	1.7
Cholecystectomy . . . . .	1.4	1.9	2.2	2.2	2.4	2.0	2.1	1.8	2.0
Bilateral destruction or occlusion of fallopian tubes . . . . .	5.6	6.4	5.7	6.6	5.9	6.2	6.6	5.9	5.7
Hysterectomy . . . . .	*	*0.3	*0.2	5.4	5.9	5.6	5.9	5.7	5.7
Cesarean section <sup>6</sup> . . . . .	—	—	—	15.0	13.8	14.6	15.8	14.7	15.1
Repair of current obstetrical laceration . . . . .	*	*	*	15.7	16.8	18.3	18.7	19.4	19.7
Reduction of fracture . . . . .	0.4	0.5	0.5	1.1	1.1	1.1	1.1	1.1	0.9
Arthroscopy of the knee . . . . .	1.8	2.0	2.0	0.2	*0.1	*0.1	*	*	*
Excision or destruction of intervertebral disc . . . . .	*	*	*	1.2	0.9	1.0	1.1	1.0	1.0
Lumpectomy . . . . .	2.5	2.0	2.2	*0.1	*0.1	*	*	*	*
Mastectomy . . . . .	*	*	*	0.3	0.2	0.2	0.2	0.2	0.2
45–64 years <sup>4</sup> . . . . .	155.5	165.9	173.2	173.4	162.6	162.2	163.4	160.9	151.0
Coronary angioplasty . . . . .	*	*	*	2.1	2.0	2.0	2.2	2.6	2.2
Coronary artery bypass graft <sup>5</sup> . . . . .	—	—	—	2.0	1.7	2.0	1.6	1.8	1.4
Cardiac catheterization . . . . .	2.2	2.0	2.4	6.0	5.4	6.0	5.9	6.1	5.5
Endoscopy of small or large intestine with or without biopsy . . . . .	22.1	24.3	22.9	6.5	6.2	5.6	5.5	5.9	5.6
Cholecystectomy . . . . .	1.8	2.3	3.3	3.7	3.5	3.4	2.9	2.9	2.5
Hysterectomy . . . . .	*	*	*	7.2	7.1	7.9	8.3	7.9	8.1
Reduction of fracture . . . . .	*0.7	*0.7	0.8	2.2	2.2	2.3	1.8	2.0	2.1
Arthroscopy of the knee . . . . .	2.8	3.4	3.5	*	*	*	*	*	*
Excision or destruction of intervertebral disc . . . . .	*	*	*	2.0	1.6	1.8	2.1	2.1	1.9
Lumpectomy . . . . .	4.9	5.0	4.6	0.5	0.4	*0.4	*0.3	*0.3	0.4
Mastectomy . . . . .	*	*	*0.4	1.6	1.5	1.3	1.5	1.1	1.2
Angiocardiology with contrast material . . . . .	3.0	2.7	3.3	8.5	8.1	8.4	8.4	8.5	7.7
65–74 years <sup>4</sup> . . . . .	254.6	272.5	291.9	328.3	326.1	334.4	342.2	340.8	326.4
Coronary angioplasty . . . . .	*	*	*	4.9	4.6	5.7	6.6	6.3	6.5
Extraction of lens . . . . .	41.8	48.3	47.8	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos) . . . . .	33.5	35.7	35.9	*	*	*	*	*	*
Coronary artery bypass graft <sup>5</sup> . . . . .	—	*	—	5.1	6.1	6.7	6.0	6.5	5.2
Cardiac catheterization . . . . .	3.3	3.6	5.4	12.6	12.4	14.7	15.1	15.0	13.8
Pacemaker insertion or replacement . . . . .	*	*	*	4.3	3.9	3.7	4.3	5.6	3.9
Carotid endarterectomy . . . . .	—	—	—	1.7	2.3	2.2	2.0	2.6	2.0
Endoscopy of small or large intestine with or without biopsy . . . . .	39.0	41.0	45.5	16.1	18.2	14.7	16.3	18.2	18.5
Cholecystectomy . . . . .	*1.3	*1.6	2.3	5.1	4.6	4.7	5.4	4.7	4.7
Hysterectomy . . . . .	*	*	*	4.7	4.3	3.7	4.4	3.6	3.8
Reduction of fracture . . . . .	*	*	*	4.7	4.4	5.0	4.9	4.4	5.1
Total hip replacement . . . . .	—	—	*	2.6	2.7	2.9	3.6	3.3	2.5
Lumpectomy . . . . .	4.4	4.7	4.9	*	*	*0.6	*	*	*0.7
Mastectomy . . . . .	*	*	*	2.8	2.3	2.3	2.3	2.1	2.4
Angiocardiology with contrast material . . . . .	4.8	5.0	6.9	18.0	17.5	20.3	18.8	19.9	18.0

See footnotes at end of table.

**Table 95 (page 3 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2000**

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory <sup>1</sup>			Inpatient <sup>2</sup>					
	1994	1995	1996	1994	1995	1996	1998	1999	2000
Female—Con.	Procedures per 1,000 population								
75 years and over <sup>4</sup> . . . . .	274.3	304.6	319.3	476.8	468.0	468.4	491.1	503.0	481.0
Coronary angioplasty . . . . .	*	*	*	4.0	4.2	4.3	5.9	6.0	6.2
Extraction of lens . . . . .	70.6	82.0	82.6	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos) . . . . .	54.5	61.3	61.4	*	*	*	*	*	*
Coronary artery bypass graft <sup>5</sup> . . . . .	—	—	—	3.4	4.1	4.6	4.5	5.8	4.5
Cardiac catheterization . . . . .	*1.5	*1.8	3.5	10.4	11.3	11.6	12.9	14.0	13.9
Pacemaker insertion or replacement . . . . .	*	*	*1.1	11.5	10.1	11.3	11.8	10.4	10.6
Carotid endarterectomy . . . . .	—	*	—	2.0	2.0	2.3	2.2	2.1	1.9
Endoscopy of small or large intestine with or without biopsy . . . . .	34.5	39.3	38.6	36.0	35.0	33.2	36.9	38.2	36.8
Cholecystectomy . . . . .	*	*	*1.2	4.3	5.5	5.0	5.1	5.3	4.2
Hysterectomy . . . . .	—	*	*	2.4	2.4	2.7	2.8	2.3	2.4
Reduction of fracture . . . . .	*	*	*	13.9	14.6	16.9	13.9	16.0	14.8
Total hip replacement . . . . .	—	*	*	3.2	3.3	3.5	3.1	3.3	2.9
Lumpectomy . . . . .	2.7	2.5	2.9	*	*0.7	*	*	*	*0.6
Mastectomy . . . . .	*	*	*	2.4	2.6	1.8	2.2	2.0	2.1
Angiocardiology with contrast material . . . . .	2.3	*2.1	5.5	14.5	15.6	15.6	17.2	17.8	17.9

\* Rates for inpatient procedures based on fewer than 5,000 estimated procedures are unreliable and are not shown; those based on 5,000–9,999 estimated procedures are preceded by an asterisk and may have low reliability. Rates for ambulatory surgery based on fewer than 10,000 estimated procedures are unreliable and are not shown; those based on 10,000–19,999 estimated procedures are preceded by an asterisk.

— Quantity zero.

<sup>1</sup>Data are from the National Survey of Ambulatory Surgery (conducted from 1994–96) and exclude ambulatory surgery procedures for patients who became inpatients. See Appendix II, Ambulatory surgery.

<sup>2</sup>Inpatient data are from the National Hospital Discharge Survey and exclude newborn infants.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Includes procedures not listed in table.

<sup>5</sup>Data in the main body of the table are for all-listed coronary artery bypass grafts. Often, more than one coronary bypass procedure is performed during a single operation. The following table gives additional information based on the number of inpatient discharges with one or more coronary artery bypass grafts.

Sex and age	1994	1995	1996	1997	1998	1999	2000
Inpatient discharges per 1,000 population							
Male:							
45–64 years . . . . .	4.1	4.5	4.2	4.0	3.9	3.6	3.3
65–74 years . . . . .	9.4	11.2	11.5	11.1	9.2	10.0	8.1
75 years and over . . . . .	7.6	8.9	7.6	6.9	8.1	7.5	7.7
Female:							
45–64 years . . . . .	1.3	1.0	1.2	1.2	1.0	1.1	0.9
65–74 years . . . . .	3.3	3.8	4.1	4.5	3.6	4.4	3.3
75 years and over . . . . .	2.3	3.0	3.3	3.4	3.0	3.7	2.9

<sup>6</sup>Cesarean sections accounted for 22.0 percent of deliveries in 1994, 20.8 percent in 1995, 21.8 percent in 1996, 21.5 percent in 1997, 22.5 percent in 1998, 22.1 percent in 1999, and 22.9 percent in 2000.

NOTES: Data in this table are for up to four procedures for inpatients and up to six procedures for ambulatory surgery patients. See Appendix II, Procedure. Procedure categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table X. Rates are based on the civilian population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey and National Survey of Ambulatory Surgery.

**Table 97. Nursing home residents 65 years of age and over, according to age, sex, and race: United States, 1973–74, 1985, 1995, and 1999**

[Data are based on a sample of nursing home residents]

Age, sex, and race	Residents				Residents per 1,000 population			
	1973–74	1985	1995	1999	1973–74	1985	1995	1999
<b>Age</b>								
65 years and over, age adjusted <sup>1</sup> . . . . .					58.5	54.0	45.9	43.3
65 years and over, crude . . . . .	961,500	1,318,300	1,422,600	1,469,500	44.7	46.2	42.4	42.9
65–74 years . . . . .	163,100	212,100	190,200	194,800	12.3	12.5	10.1	10.8
75–84 years . . . . .	384,900	509,000	511,900	517,600	57.7	57.7	45.9	43.0
85 years and over . . . . .	413,600	597,300	720,400	757,100	257.3	220.3	198.6	182.5
<b>Male</b>								
65 years and over, age adjusted <sup>1</sup> . . . . .					42.5	38.8	32.8	30.6
65 years and over, crude . . . . .	265,700	334,400	356,800	377,800	30.0	29.0	26.1	26.5
65–74 years . . . . .	65,100	80,600	79,300	84,100	11.3	10.8	9.5	10.3
75–84 years . . . . .	102,300	141,300	144,300	149,500	39.9	43.0	33.3	30.8
85 years and over . . . . .	98,300	112,600	133,100	144,200	182.7	145.7	130.8	116.5
<b>Female</b>								
65 years and over, age adjusted <sup>1</sup> . . . . .					67.5	61.5	52.3	49.8
65 years and over, crude . . . . .	695,800	983,900	1,065,800	1,091,700	54.9	57.9	53.7	54.6
65–74 years . . . . .	98,000	131,500	110,900	110,700	13.1	13.8	10.6	11.2
75–84 years . . . . .	282,600	367,700	367,600	368,100	68.9	66.4	53.9	51.2
85 years and over . . . . .	315,300	484,700	587,300	612,900	294.9	250.1	224.9	210.5
<b>White only<sup>2</sup></b>								
65 years and over, age adjusted <sup>1</sup> . . . . .					61.2	55.5	45.4	41.9
65 years and over, crude . . . . .	920,600	1,227,400	1,271,200	1,279,600	46.9	47.7	42.3	42.1
65–74 years . . . . .	150,100	187,800	154,400	157,200	12.5	12.3	9.3	10.0
75–84 years . . . . .	369,700	473,600	453,800	440,600	60.3	59.1	44.9	40.5
85 years and over . . . . .	400,800	566,000	663,000	681,700	270.8	228.7	200.7	181.8
<b>Black or African American only<sup>2</sup></b>								
65 years and over, age adjusted <sup>1</sup> . . . . .					28.2	41.5	50.4	55.6
65 years and over, crude . . . . .	37,700	82,000	122,900	145,900	22.0	35.0	45.2	51.1
65–74 years . . . . .	12,200	22,500	29,700	30,300	11.1	15.4	18.4	18.2
75–84 years . . . . .	13,400	30,600	47,300	58,700	26.7	45.3	57.2	66.5
85 years and over . . . . .	12,100	29,000	45,800	56,900	105.7	141.5	167.1	183.1

. . . Category not applicable.

<sup>1</sup>Age adjusted by the direct method to the year 2000 population standard using the following three age groups: 65–74 years, 75–84 years, and 85 years and over.

<sup>2</sup>Beginning in 1999 the instruction for the race item on the Current Resident Questionnaire was changed so that more than one race could be recorded. In previous years only one racial category could be checked. Estimates for racial groups presented in this table are for residents for whom only one race was recorded. Estimates for residents where multiple races were checked are unreliable due to small sample sizes and are not shown.

NOTES: Excludes residents in personal care or domiciliary care homes. Age refers to age at time of interview. Rates are based on the resident population as of July 1. Starting in 1997, population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Data for additional years are available (see Appendix III).

SOURCES: Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey: 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97). 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.

**Table 98. Nursing home residents 65 years of age and over, according to selected functional status and age, sex, and race: United States, 1985, 1995, and 1999**

[Data are based on a sample of nursing home residents]

Age, sex, and race	Functional status <sup>1</sup>											
	Dependent mobility			Incontinent			Dependent eating			Dependent mobility, eating, and incontinent		
	1985	1995	1999	1985	1995	1999	1985	1995	1999	1985	1995	1999
All persons	Percent											
65 years and over, age adjusted <sup>2</sup>	75.7	79.0	80.3	55.0	63.8	65.7	40.9	44.9	47.3	32.5	36.5	36.9
65 years and over, crude	74.8	79.0	80.4	54.5	63.8	65.7	40.5	44.9	47.4	32.1	36.5	37.0
65–74 years	61.2	73.0	73.9	42.9	61.9	58.5	33.5	43.8	43.1	25.7	35.8	31.7
75–84 years	70.5	76.5	77.8	55.1	62.5	64.2	39.4	45.2	46.6	30.6	35.3	35.4
85 years and over	83.3	82.4	83.8	58.1	65.3	68.6	43.9	45.0	49.0	35.6	37.5	39.4
Male												
65 years and over, age adjusted <sup>2</sup>	71.2	76.6	76.6	54.2	63.8	66.6	36.0	42.1	45.2	28.0	34.3	35.0
65 years and over, crude	67.8	75.8	75.9	51.9	63.9	66.0	34.9	42.7	45.1	26.9	34.8	35.0
65–74 years	55.8	70.6	70.5	38.8	63.4	59.6	32.8	44.2	45.0	24.1	36.9	34.8
75–84 years	65.7	76.6	76.9	54.4	64.6	68.9	32.6	44.1	44.7	25.5	35.5	35.2
85 years and over	79.2	78.2	78.1	58.1	63.4	66.8	39.2	40.2	45.7	30.9	32.7	34.9
Female												
65 years and over, age adjusted <sup>2</sup>	77.3	79.7	81.5	55.4	63.6	65.0	42.4	45.6	47.8	33.9	36.9	37.2
65 years and over, crude	77.1	80.1	81.9	55.4	63.8	65.6	42.4	45.6	48.1	33.8	37.0	37.7
65–74 years	64.5	74.8	76.4	45.4	60.9	57.7	34.0	43.6	41.6	26.7	35.0	29.3
75–84 years	72.3	76.5	78.2	55.3	61.7	62.2	42.0	45.7	47.4	32.6	35.2	35.6
85 years and over	84.3	83.3	85.2	58.1	65.7	69.0	45.0	46.0	49.7	36.7	38.6	40.4
White only <sup>3</sup>												
65 years and over, age adjusted <sup>2</sup>	75.2	78.5	79.9	54.6	63.2	64.9	40.4	44.2	46.1	32.1	35.7	35.7
65 years and over, crude	74.3	78.7	80.2	54.2	63.3	65.1	40.1	44.2	46.2	31.7	35.7	35.8
65–74 years	60.2	71.4	72.6	42.2	60.2	57.1	32.6	41.9	40.7	24.9	33.8	28.8
75–84 years	69.6	76.4	77.5	54.2	61.8	63.8	38.9	44.9	45.8	30.1	34.7	34.8
85 years and over	83.1	81.9	83.6	58.2	65.0	67.8	43.5	44.3	47.7	35.5	36.9	38.1
Black or African American only <sup>3</sup>												
65 years and over, age adjusted <sup>2</sup>	83.4	83.2	82.1	61.0	69.3	71.9	49.2	52.2	55.9	38.2	44.0	46.8
65 years and over, crude	81.1	82.1	81.5	59.9	69.1	70.6	47.9	51.7	54.9	37.7	43.7	45.7
65–74 years	70.9	79.6	78.7	48.6	68.3	64.6	43.1	51.2	53.3	33.8	43.1	42.6
75–84 years	82.5	77.8	80.1	70.1	68.9	67.5	47.9	49.5	49.7	40.6	42.3	41.0
85 years and over	87.4	88.0	84.5	57.9	69.8	77.0	51.7	54.3	61.0	37.6	45.5	52.1

<sup>1</sup>Nursing home residents who are dependent in mobility and eating require the assistance of a person or special equipment. Nursing home residents who are incontinent have difficulty in controlling bowels and/or bladder or have an ostomy or indwelling catheter.

<sup>2</sup>Age adjusted by the direct method to the 1995 National Nursing Home Survey population using the following three age groups: 65–74 years, 75–84 years, and 85 years and over.

<sup>3</sup>Beginning in 1999 the instruction for the race item on the Current Resident Questionnaire was changed so that more than one race could be recorded. In previous years only one racial category could be checked. Estimates for racial groups presented in this table are for residents for whom only one race was recorded. Estimates for residents where multiple races were checked are unreliable due to small sample sizes and are not shown.

NOTES: Age refers to age at time of interview. Excludes residents in personal care or domiciliary care homes. Data for additional years are available (see Appendix III).

SOURCES: Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey: 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97). 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.



**Table 111 (page 1 of 2). Nursing homes, beds, occupancy, and residents, according to geographic division and State: United States, 1995–2000**

[Data are based on a census of certified nursing facilities]

Geographic division and State	Nursing homes				Beds			
	1995	1997	1999	2000	1995	1997	1999	2000
United States . . . . .	16,389	17,121	17,083	16,886	1,751,302	1,827,615	1,807,285	1,795,388
New England . . . . .	1,140	1,183	1,160	1,137	115,488	121,854	120,245	118,562
Maine . . . . .	132	135	125	126	9,243	9,363	8,393	8,248
New Hampshire . . . . .	74	81	84	83	7,412	8,107	7,906	7,837
Vermont . . . . .	23	44	45	44	1,862	3,739	3,760	3,743
Massachusetts . . . . .	550	563	548	526	54,532	57,774	57,409	56,030
Rhode Island . . . . .	94	100	101	99	9,612	10,190	10,391	10,271
Connecticut . . . . .	267	260	257	259	32,827	32,681	32,386	32,433
Middle Atlantic . . . . .	1,650	1,744	1,808	1,796	244,342	255,366	266,042	267,772
New York . . . . .	624	621	659	665	107,750	109,538	118,656	120,514
New Jersey . . . . .	300	331	363	361	43,967	49,402	51,138	52,195
Pennsylvania . . . . .	726	792	786	770	92,625	96,426	96,248	95,063
East North Central . . . . .	3,171	3,324	3,323	3,301	367,879	390,907	376,468	369,657
Ohio . . . . .	943	1,014	1,007	1,009	106,884	121,330	104,817	105,038
Indiana . . . . .	556	577	568	564	59,538	62,086	62,235	56,762
Illinois . . . . .	827	866	880	869	103,230	108,406	111,026	110,766
Michigan . . . . .	432	444	443	439	49,473	51,287	51,104	50,696
Wisconsin . . . . .	413	423	425	420	48,754	47,798	47,286	46,395
West North Central . . . . .	2,258	2,350	2,312	2,281	200,109	209,055	198,106	193,754
Minnesota . . . . .	432	449	444	433	43,865	45,271	44,611	42,149
Iowa . . . . .	419	469	470	467	39,959	45,359	37,494	37,034
Missouri . . . . .	546	570	559	551	52,679	55,472	55,020	54,829
North Dakota . . . . .	87	88	89	88	7,125	7,108	7,049	6,954
South Dakota . . . . .	114	114	114	114	8,296	8,080	7,938	7,844
Nebraska . . . . .	231	237	237	236	18,169	18,227	18,150	17,877
Kansas . . . . .	429	423	399	392	30,016	29,538	27,844	27,067
South Atlantic . . . . .	2,215	2,348	2,406	2,418	243,069	253,621	261,183	264,147
Delaware . . . . .	42	43	42	43	4,739	4,890	5,081	4,906
Maryland . . . . .	218	248	248	255	28,394	30,851	30,137	31,495
District of Columbia . . . . .	19	21	20	20	3,206	3,097	3,078	3,078
Virginia . . . . .	271	271	272	278	30,070	29,915	30,160	30,595
West Virginia . . . . .	129	136	136	139	10,903	11,203	11,219	11,413
North Carolina . . . . .	391	402	408	410	38,322	39,508	40,730	41,376
South Carolina . . . . .	166	176	176	178	16,682	17,463	17,875	18,102
Georgia . . . . .	352	354	362	363	38,097	39,016	39,774	39,817
Florida . . . . .	627	697	742	732	72,656	77,678	83,129	83,365
East South Central . . . . .	1,014	1,090	1,088	1,071	99,707	106,104	107,006	106,250
Kentucky . . . . .	288	315	313	307	23,221	25,282	25,431	25,341
Tennessee . . . . .	322	348	352	349	37,074	39,009	39,275	38,593
Alabama . . . . .	221	224	225	225	23,353	24,787	25,204	25,248
Mississippi . . . . .	183	203	198	190	16,059	17,026	17,096	17,068
West South Central . . . . .	2,264	2,313	2,262	2,199	224,695	229,469	225,200	224,100
Arkansas . . . . .	256	261	263	255	29,952	31,088	25,575	25,715
Louisiana . . . . .	337	339	336	337	37,769	38,043	39,110	39,430
Oklahoma . . . . .	405	413	409	392	33,918	34,460	34,611	33,903
Texas . . . . .	1,266	1,300	1,254	1,215	123,056	125,878	125,904	125,052
Mountain . . . . .	800	843	839	827	70,134	74,058	75,357	75,152
Montana . . . . .	100	103	105	104	7,210	7,521	7,672	7,667
Idaho . . . . .	76	86	82	84	5,747	6,515	6,277	6,181
Wyoming . . . . .	37	38	41	40	3,035	3,120	3,163	3,119
Colorado . . . . .	219	225	225	225	19,912	20,150	20,265	20,240
New Mexico . . . . .	83	85	82	80	6,969	7,245	7,328	7,289
Arizona . . . . .	152	165	162	150	16,162	17,761	18,005	17,458
Utah . . . . .	91	96	93	93	7,101	7,568	7,451	7,651
Nevada . . . . .	42	45	49	51	3,998	4,178	5,196	5,547
Pacific . . . . .	1,877	1,926	1,885	1,856	185,879	187,181	177,678	175,994
Washington . . . . .	285	285	279	277	28,464	27,656	26,264	25,905
Oregon . . . . .	161	163	157	150	13,885	14,030	13,776	13,500
California . . . . .	1,382	1,419	1,390	1,369	140,203	140,837	132,962	131,762
Alaska . . . . .	15	16	15	15	814	828	818	821
Hawaii . . . . .	34	43	44	45	2,513	3,830	3,858	4,006

See footnotes at end of table.

**Table 111 (page 2 of 2). Nursing homes, beds, occupancy, and residents, according to geographic division and State: United States, 1995–2000**

[Data are based on a census of certified nursing facilities]

Geographic division and State	Occupancy rate <sup>1</sup>				Resident rate <sup>2</sup>			
	1995	1997	1999	2000	1995	1997	1999	2000
United States . . . . .	84.5	82.2	82.7	82.4	404.5	388.3	358.0	349.1
New England . . . . .	91.6	90.4	89.8	89.7	474.2	468.4	432.6	419.5
Maine . . . . .	92.9	88.0	89.7	88.5	417.9	386.0	339.4	313.0
New Hampshire . . . . .	92.8	90.5	91.6	91.3	434.1	441.8	405.1	392.6
Vermont . . . . .	96.2	94.9	91.8	89.5	207.0	392.6	356.4	335.0
Massachusetts . . . . .	91.3	89.2	88.6	88.9	477.3	470.9	440.7	426.8
Rhode Island . . . . .	91.8	92.2	88.7	88.0	476.9	475.4	436.3	432.6
Connecticut . . . . .	91.2	92.2	91.5	91.4	541.7	510.4	468.9	461.4
Middle Atlantic . . . . .	93.6	92.4	91.6	90.6	384.0	376.2	360.6	354.2
New York . . . . .	96.0	94.9	94.8	93.7	371.8	358.1	362.5	362.6
New Jersey . . . . .	91.9	91.2	89.7	87.8	351.6	364.0	344.1	337.0
Pennsylvania . . . . .	91.6	90.3	88.7	88.2	419.2	408.0	367.5	353.1
East North Central . . . . .	80.0	76.6	78.2	78.3	476.1	463.5	421.5	414.3
Ohio . . . . .	73.9	68.7	78.9	78.0	499.5	506.3	468.8	463.5
Indiana . . . . .	74.5	72.0	69.5	74.6	548.9	530.1	479.2	462.3
Illinois . . . . .	81.1	78.5	76.3	75.5	495.3	480.9	440.5	435.4
Michigan . . . . .	87.5	85.9	84.3	84.1	345.0	332.6	298.6	299.1
Wisconsin . . . . .	90.2	88.6	85.5	83.9	518.9	481.1	427.3	406.9
West North Central . . . . .	82.3	80.0	81.2	81.1	489.6	483.6	442.3	429.8
Minnesota . . . . .	93.8	92.3	89.8	92.1	537.4	528.0	474.6	453.4
Iowa . . . . .	68.8	67.3	79.3	78.9	458.0	497.9	461.2	448.5
Missouri . . . . .	75.7	73.5	71.7	70.4	432.8	430.0	402.2	391.5
North Dakota . . . . .	96.4	95.3	92.2	91.2	522.0	491.0	440.3	430.7
South Dakota . . . . .	95.5	94.9	91.6	90.0	543.3	512.5	457.5	438.8
Nebraska . . . . .	89.0	85.8	83.3	83.8	501.4	475.1	440.8	441.5
Kansas . . . . .	83.8	81.3	81.4	82.1	528.9	492.9	438.7	429.4
South Atlantic . . . . .	89.4	88.0	86.4	86.2	335.4	321.3	297.2	291.9
Delaware . . . . .	80.6	79.0	74.0	79.5	448.7	419.8	370.6	369.7
Maryland . . . . .	87.0	84.4	82.1	81.4	432.7	423.6	372.4	383.1
District of Columbia . . . . .	80.3	94.8	93.3	92.9	297.6	335.1	311.4	318.4
Virginia . . . . .	93.5	90.5	90.0	88.5	385.2	348.1	323.2	310.4
West Virginia . . . . .	93.7	92.3	89.8	90.5	355.2	344.0	315.7	325.2
North Carolina . . . . .	92.7	93.8	90.1	88.6	401.1	392.9	350.0	347.6
South Carolina . . . . .	87.3	85.7	86.5	86.9	366.0	349.2	330.9	313.1
Georgia . . . . .	94.3	91.9	91.1	91.8	496.0	463.3	424.5	416.1
Florida . . . . .	85.1	83.8	82.6	82.8	228.2	222.3	214.3	208.4
East South Central . . . . .	91.8	90.3	91.3	90.7	416.6	415.5	403.0	385.5
Kentucky . . . . .	89.1	88.2	90.0	89.7	391.9	401.7	398.3	390.1
Tennessee . . . . .	91.5	89.6	90.4	89.9	479.6	469.1	450.0	426.1
Alabama . . . . .	92.9	91.7	92.5	91.4	370.1	370.9	358.7	343.1
Mississippi . . . . .	94.9	93.2	93.7	92.7	405.3	403.0	389.7	368.7
West South Central . . . . .	75.2	71.6	71.3	71.0	486.1	448.6	410.4	397.6
Arkansas . . . . .	69.5	65.9	77.3	75.1	508.3	484.0	444.1	415.5
Louisiana . . . . .	86.0	81.3	78.7	77.9	639.3	581.6	550.5	523.8
Oklahoma . . . . .	77.8	73.7	71.0	70.3	499.1	464.3	429.8	416.8
Texas . . . . .	72.6	69.6	67.8	68.2	439.9	405.0	365.7	358.4
Mountain . . . . .	83.8	81.2	79.4	79.0	335.9	313.0	281.3	271.2
Montana . . . . .	89.0	83.0	79.8	77.9	491.4	437.0	399.5	389.5
Idaho . . . . .	81.7	73.4	74.7	75.1	321.7	301.5	261.4	257.0
Wyoming . . . . .	87.7	84.6	81.9	83.5	468.2	440.5	400.5	386.8
Colorado . . . . .	85.7	83.8	82.8	84.2	420.6	386.2	352.3	353.5
New Mexico . . . . .	86.8	84.6	88.3	89.2	332.0	309.4	299.3	279.0
Arizona . . . . .	76.6	77.8	76.4	75.9	233.3	234.5	208.7	193.4
Utah . . . . .	82.1	78.0	77.2	74.5	323.5	298.3	267.6	262.2
Nevada . . . . .	91.2	90.3	70.7	65.9	312.0	272.1	224.5	215.3
Pacific . . . . .	80.4	78.3	81.2	80.5	302.4	275.1	247.5	241.3
Washington . . . . .	87.7	82.9	81.3	81.7	362.5	306.1	258.6	251.6
Oregon . . . . .	84.1	80.6	76.8	74.0	244.9	221.3	187.9	173.9
California . . . . .	78.3	76.8	81.3	80.8	302.9	277.9	254.9	250.1
Alaska . . . . .	77.9	74.8	76.4	72.5	348.0	297.7	260.6	225.9
Hawaii . . . . .	96.0	91.6	92.2	88.8	178.5	227.4	205.6	202.6

<sup>1</sup>Percent of beds occupied.

<sup>2</sup>Number of nursing home residents (all ages) per 1,000 resident population 85 years of age and over.

NOTES: Annual numbers of nursing homes, beds, and residents are based on a 15-month OSCAR reporting cycle (see Appendix I). Data for additional years are available (see Appendix III).

SOURCES: Cowles CM, 1995 Nursing Home Statistical Yearbook. 1996 Nursing Home Statistical Yearbook. 1997 Nursing Home Statistical Yearbook. Anacortes, WA: Cowles Research Group, 1995; 1997; 1998; and Cowles CM, 1998 Nursing Home Statistical Yearbook. 1999 Nursing Home Statistical Yearbook. 2000 Nursing Home Statistical Yearbook. Washington, DC: American Association of Homes and Services for the Aging, 1999; 2000; 2001. Based on data from the Centers for Medicare & Medicaid Services' Online Survey Certification and Reporting (OSCAR) database.

**Table 118 (page 1 of 3). Expenditures and sources of payment for health care according to selected characteristics: United States, 1987, 1997, and 1998**

[Data are based on household interviews for a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Population in millions <sup>3</sup>	Total expenses <sup>1</sup>						Prescribed medicine expenses <sup>2</sup>					
		Persons with expense			Mean annual expense per person with expense			Persons with expense			Mean annual out-of-pocket expense per person with expense		
		1987	1997	1998	1987	1997	1998	1987	1997	1998	1987	1997	1998
All ages . . . . .	273.5	84.5	84.1	83.9	\$1,562	\$2,424	\$2,444	57.3	62.1	61.8	\$92	\$202	221
Under 65 years:													
Total . . . . .	239.2	83.2	82.5	82.2	\$1,216	\$1,838	\$1,810	54.0	58.7	58.1	\$68	\$143	155
Under 6 years . . . . .	23.7	88.9	88.0	87.6	1,033	858	905	61.8	61.3	59.0	24	35	36
6–17 years . . . . .	48.7	80.2	81.7	80.6	681	963	888	44.3	48.2	46.4	45	54	60
18–44 years . . . . .	108.8	81.5	78.3	78.0	1,069	1,666	1,734	51.3	55.9	55.6	53	122	129
45–64 years . . . . .	58.0	87.0	89.2	89.2	2,070	3,226	2,996	65.3	71.8	72.4	129	266	283
Sex													
Male . . . . .	119.3	78.8	77.6	77.4	1,147	1,661	1,665	46.5	51.5	50.6	63	127	128
Female . . . . .	119.9	87.5	87.4	87.0	1,275	1,994	1,938	61.4	65.8	65.7	72	155	175
Race and Hispanic origin													
White, non-Hispanic . . . . .	167.4	86.9	87.2	87.1	1,220	1,972	1,877	57.7	63.1	62.9	71	155	159
Black, non-Hispanic . . . . .	31.6	72.2	72.1	71.8	1,471	1,474	1,716	44.1	50.0	47.7	60	115	177
Hispanic . . . . .	30.2	71.0	69.5	68.9	970	1,530	1,536	41.6	47.7	47.6	49	95	107
Other . . . . .	10.0	72.8	75.8	74.0	807	1,222	1,555	41.1	44.9	42.9	50	124	145
Insurance status <sup>4</sup>													
Any private insurance . . . . .	176.0	86.5	86.5	86.8	1,166	1,873	1,770	56.5	61.6	61.3	70	136	135
Public insurance only . . . . .	31.0	82.4	83.3	83.7	1,956	2,234	2,501	56.5	62.0	61.2	47	141	212
Uninsured all year . . . . .	32.3	61.8	61.1	55.6	760	1,098	1,156	35.1	40.2	38.1	75	206	238
Sources of payment for health care													
Characteristic	All sources	Out of pocket			Private insurance <sup>5</sup>			Public coverage <sup>6</sup>			Other <sup>7</sup>		
		1987	1997	1998	1987	1997	1998	1987	1997	1998	1987	1997	1998
All ages . . . . .	100.0	24.8	19.4	19.3	36.6	40.3	38.4	34.1	34.7	36.8	4.5	5.6	5.6
Under 65 years:													
Total . . . . .	100.0	26.2	21.1	21.6	46.6	53.1	52.7	21.3	18.4	18.9	6.0	7.4	6.8
Under 6 years . . . . .	100.0	18.5	14.2	11.4	39.5	49.3	57.8	35.8	25.6	26.2	6.2	*10.9	4.5
6–17 years . . . . .	100.0	35.7	29.0	28.4	47.3	53.3	55.3	11.8	14.2	12.9	5.2	3.6	3.5
18–44 years . . . . .	100.0	27.4	21.1	21.8	46.8	52.9	51.1	19.4	16.1	17.6	6.4	9.9	9.5
45–64 years . . . . .	100.0	24.0	20.1	21.1	47.8	53.6	52.9	22.4	20.7	20.7	5.8	5.7	5.3
Sex													
Male . . . . .	100.0	24.5	21.3	20.4	44.6	50.3	50.8	23.9	19.9	19.0	7.1	8.5	9.8
Female . . . . .	100.0	27.5	21.0	22.5	48.1	55.1	54.1	19.2	17.3	18.9	5.2	6.6	4.5
Race and Hispanic origin													
White, non-Hispanic . . . . .	100.0	28.2	21.9	23.0	50.1	55.8	56.7	15.9	15.4	14.1	5.8	6.9	6.2
Black, non-Hispanic . . . . .	100.0	15.5	17.1	15.8	30.0	42.3	34.1	47.2	31.1	41.7	7.3	*9.5	8.5
Hispanic . . . . .	100.0	22.0	18.8	17.9	36.1	42.3	39.7	35.8	30.2	31.2	6.0	8.7	*11.3
Other . . . . .	100.0	27.2	21.2	18.4	46.7	45.2	55.0	21.0	24.5	23.4	5.1	9.1	*3.1
Insurance status <sup>4</sup>													
Any private insurance . . . . .	100.0	29.0	21.6	22.2	60.0	67.6	69.1	6.2	6.6	5.0	4.8	4.2	3.6
Public insurance only . . . . .	100.0	8.9	10.6	10.7	...	...	...	87.2	80.7	79.0	3.9	7.9	*9.4
Uninsured all year . . . . .	100.0	40.6	41.3	47.7	...	...	...	28.6	12.8	12.4	30.9	45.9	39.8

See footnotes at end of table.

**Table 118 (page 2 of 3). Expenditures and sources of payment for health care according to selected characteristics: United States, 1987, 1997, and 1998**

[Data are based on household interviews for a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Population in millions <sup>3</sup>	Total expenses <sup>1</sup>						Prescribed medicine expenses <sup>2</sup>					
		Persons with expense			Mean annual expense per person with expense			Persons with expense			Mean annual out-of-pocket expense per person with expense		
		1987	1997	1998	1987	1997	1998	1987	1997	1998	1987	1997	1998
65 years and over . . . . .	34.3	93.7	95.2	95.2	\$3,858	\$5,947	\$6,265	81.6	86.0	87.5	\$212	\$483	\$531
Sex		Percent						Percent					
Male . . . . .	14.3	92.0	94.5	94.2	3,948	6,683	5,333	78.0	82.8	85.8	197	435	463
Female . . . . .	20.0	94.9	95.7	95.9	3,795	5,405	6,917	84.0	88.3	88.7	221	516	577
Race and Hispanic origin													
White, non-Hispanic . . . . .	29.0	94.9	95.9	95.9	3,798	5,977	6,250	82.3	86.7	87.8	216	499	553
Black, non-Hispanic . . . . .	2.9	88.5	92.2	92.1	4,650	5,857	6,703	79.5	85.3	88.0	166	401	385
Hispanic . . . . .	1.8	82.5	94.2	93.5	3,674	6,223	5,488	74.7	87.5	85.6	*280	394	394
Other . . . . .	0.6	*	*	*	*	*	*	*	*	*	*	*	*
Insurance status <sup>8</sup>													
Medicare only . . . . .	10.1	85.9	91.9	93.8	3,039	5,370	6,902	70.6	81.7	86.6	234	562	642
Medicare and private insurance . . . . .	19.5	95.4	97.0	96.3	3,817	5,800	5,931	83.4	88.1	88.4	220	490	511
Medicare and other public coverage . . . . .	4.2	94.4	93.6	95.4	5,928	8,416	7,765	88.2	85.8	87.3	80	285	342

See footnotes at end of table.

**Table 118 (page 3 of 3). Expenditures and sources of payment for health care according to selected characteristics: United States, 1987, 1997, and 1998**

[Data are based on household interviews for a sample of the noninstitutionalized population and a sample of medical providers]

		Sources of payment for health care											
Characteristic	All sources	Out of pocket			Private insurance <sup>5</sup>			Public coverage <sup>6</sup>			Other <sup>7</sup>		
		1987	1997	1998	1987	1997	1998	1987	1997	1998	1987	1997	1998
Percent distribution													
65 years and over . . . . .	100.0	22.0	16.3	15.3	15.8	16.5	13.5	60.8	65.0	67.7	1.5	2.3	3.5
Sex													
Male . . . . .	100.0	21.7	14.2	15.8	17.6	20.1	17.2	58.8	63.7	63.0	*1.9	2.0	4.0
Female . . . . .	100.0	22.2	18.1	15.0	14.4	13.2	11.5	62.3	66.1	70.3	1.1	2.5	*3.2
Race and Hispanic origin													
White, non-Hispanic . . . . .	100.0	23.7	17.0	16.3	16.7	17.9	14.6	58.0	62.7	65.6	1.6	2.3	3.4
Black, non-Hispanic . . . . .	100.0	11.2	11.4	8.9	*11.9	8.8	6.0	76.3	78.1	80.5	0.6	1.7	*4.7
Hispanic . . . . .	100.0	*13.5	13.6	11.2	*4.7	5.9	*5.7	80.2	78.0	81.4	*1.6	*2.6	*1.7
Other . . . . .	100.0	*	*	*	*	*	*	*	*	*	*	*	*
Insurance status													
Medicare only . . . . .	100.0	29.8	20.2	16.9	...	...	...	68.8	72.6	74.6	1.4	7.2	8.5
Medicare and private insurance . . . . .	100.0	23.4	17.4	16.8	18.9	25.8	23.6	56.1	56.3	58.8	1.6	0.6	0.9
Medicare and other public coverage . . . . .	100.0	*6.2	5.9	6.4	...	...	...	92.9	91.8	91.0	1.0	*2.3	*2.6

... Category not applicable.

\* Data not shown are based on fewer than 100 sample cases. Data preceded by an asterisk have a relative standard error equal to or greater than 30 percent.

<sup>1</sup>Includes expenses for inpatient hospital and physician services, ambulatory physician and nonphysician services, prescribed medicines, home health services, dental services, and various other medical equipment, supplies, and services that were purchased or rented during the year. Over-the-counter medications, alternative care services, and phone contacts are excluded.

<sup>2</sup>Includes expenses for all prescribed medications that were purchased or refilled during the survey year.

<sup>3</sup>Includes persons who were in the civilian noninstitutionalized population for all or part of the year. Expenditures for persons who were only in this population for part of the year are restricted to those incurred during periods of eligibility (e.g., expenses incurred during periods of institutionalization and military service are not included in estimates).

<sup>4</sup>Any private insurance includes individuals with insurance that provided coverage for hospital and physician care at any time during the year, other than Medicare, Medicaid, or other public hospital/physician coverage. Public insurance only includes individuals who were not covered by private insurance at any time during the year but were covered by Medicare, Medicaid, other public hospital/physician coverage, and/or CHAMPUS/CHAMPVA (TRICARE) at any point during the year. Uninsured includes persons not covered by either private or public insurance throughout the entire year or period of eligibility for the survey. However, a portion of expenses for the uninsured were paid by sources that were not defined as health insurance coverage such as the Veterans' Administration, community and neighborhood clinics, the Indian Health Service, State and local health departments, State programs other than Medicaid, Workers' Compensation, and other unclassified sources (e.g., automobile, homeowner's, liability insurance).

<sup>5</sup>Private insurance—Includes any type of private insurance payments reported for people with private health insurance coverage during the year.

<sup>6</sup>Public coverage—Includes payments made by Medicare, Medicaid, the Department of Veterans Affairs, other Federal sources (e.g., Indian Health Service, military treatment facilities, and other care provided by the Federal Government), and various State and local sources (e.g., community and neighborhood clinics, State and local health departments, and State programs other than Medicaid).

<sup>7</sup>Other sources—Includes Workers' Compensation, unclassified sources (automobile, homeowner's, or liability insurance, and other miscellaneous or unknown sources), Medicaid payments reported for people who were not enrolled in the program at any time during the year, and any type of private insurance payments reported for people without private health insurance coverage during the year as defined in the survey.

<sup>8</sup>Populations do not add to total because uninsured persons and persons with unknown insurance status were excluded.

NOTES: 1987 estimates are based on the National Medical Expenditure Survey (NMES) while 1996–98 estimates are based on the Medical Expenditure Panel Survey (MEPS). Because expenditures in NMES were based primarily on charges while those for MEPS were based on payments, data for NMES were adjusted to be more comparable to MEPS using estimated charge to payment ratios for 1987. Overall, this resulted in an approximate 11 percent reduction from the unadjusted 1987 NMES expenditure estimates. For a detailed explanation of this adjustment, see Zuvekas S and Cohen S. A guide to comparing health care estimates in the 1996 Medical Expenditure Panel Survey to the 1987 National Medical Expenditure Survey. Inquiry. vol. 39. Spring 2002. Data for additional years are available (see Appendix III).

SOURCE: Agency for Healthcare Research and Quality, Center for Cost and Financing Studies, 1987 National Medical Expenditure Survey and 1996–98 Medical Expenditure Panel Surveys.

**Table 122. Nursing home average monthly charges per resident and percent of residents, according to selected facility and resident characteristics: United States, 1977, 1985, 1995, 1997, and 1999**

[Data are based on reporting by a sample of nursing homes]

Facility and resident characteristic	Average monthly charge <sup>1</sup>					Percent of residents				
	1977	1985	1995	1997	1999	1977	1985	1995	1997	1999
<b>Facility characteristic</b>										
All facilities . . . . .	\$689	\$1,456	\$3,135	\$3,609	\$ 3,891	100.0	100.0	100.0	100.0	100.0
Ownership:										
Proprietary . . . . .	670	1,379	3,047	3,508	3,698	68.2	68.7	63.6	65.5	64.4
Nonprofit and government . . . . .	732	1,624	3,288	3,792	4,225	31.8	31.3	36.4	34.5	35.6
Certification: <sup>2</sup>										
Both Medicare and Medicaid . . . . .	---	---	3,317	3,765	4,060	---	---	78.4	84.9	86.9
Medicare only . . . . .	---	---	4,211	4,221	4,437	---	---	3.0	2.9	2.3
Medicaid only . . . . .	---	---	2,169	2,436	2,508	---	---	15.8	9.7	8.8
Neither . . . . .	---	---	2,323	2,422	*2,360	---	---	2.8	2.4	*2.0
Bed size:										
Less than 50 beds . . . . .	546	1,036	4,978	3,521	3,808	12.9	8.9	4.5	3.9	3.6
50–99 beds . . . . .	643	1,335	2,691	3,178	3,627	30.5	27.6	24.9	24.7	25.5
100–199 beds . . . . .	706	1,478	3,028	3,592	3,867	38.8	43.2	51.1	51.9	50.8
200 beds or more . . . . .	837	1,759	3,560	4,211	4,281	17.9	20.2	19.5	19.5	20.1
Geographic region:										
Northeast . . . . .	918	1,781	3,904	4,589	4,852	22.4	23.6	22.8	23.3	23.5
Midwest . . . . .	640	1,399	2,740	3,203	3,474	34.5	32.5	32.3	31.0	30.6
South . . . . .	585	1,256	2,752	3,225	3,263	27.2	29.4	32.0	32.6	32.6
West . . . . .	653	1,458	3,710	3,791	4,725	15.9	14.5	12.9	13.1	13.2
<b>Resident characteristic</b>										
All residents . . . . .	689	1,456	3,135	3,609	3,891	100.0	100.0	100.0	100.0	100.0
Age:										
Under 65 years . . . . .	585	1,379	3,662	3,760	4,158	13.6	11.6	8.0	8.5	9.7
65–74 years . . . . .	669	1,372	3,409	3,877	4,134	16.2	14.2	12.0	12.8	12.0
75–84 years . . . . .	710	1,468	3,138	3,595	3,960	35.7	34.1	32.5	32.8	31.8
85 years and over . . . . .	719	1,497	2,974	3,521	3,731	34.5	40.0	47.5	45.9	46.5
Sex:										
Male . . . . .	652	1,438	3,345	3,758	4,043	28.8	28.4	26.6	27.8	28.1
Female . . . . .	705	1,463	3,059	3,553	3,833	71.2	71.6	73.4	72.2	71.9

--- Data not available.

\* Starting in 1997 data preceded by an asterisk have a relative standard error of 20–30 percent.

<sup>1</sup>Includes life-care residents and no-charge residents.

<sup>2</sup>Starting in 1995 the certification categories were based on Medicare and Medicaid certification.

NOTE: Data for additional years are available (see Appendix III).

SOURCES: Van Nostrand JF, Zappolo A, Hing E, et al. The National Nursing Home Survey, 1977 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(43). 1979; Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey: 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97). 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.



**Table 123. Nursing home average monthly charges per resident and percent of residents, according to primary source of payments and selected facility characteristics: United States, 1985, 1995, and 1999**

[Data are based on reporting by a sample of nursing homes]

Facility characteristic	Primary source of payment									
	All sources	Own income or family support <sup>1</sup>			Medicare			Medicaid		
	1999	1985	1995	1999	1985	1995	1999	1985	1995	1999
Average monthly charge <sup>2</sup>										
All facilities . . . . .	\$3,891	\$1,450	\$3,081	\$3,947	\$2,141	\$5,546	\$5,764	\$1,504	\$2,769	\$3,505
Ownership										
Proprietary . . . . .	3,698	1,444	3,190	3,984	2,058	5,668	5,275	1,363	2,560	3,312
Nonprofit and government . . . . .	4,225	1,462	2,967	3,903	*	5,304	6,548	1,851	3,201	3,918
Certification <sup>3</sup>										
Both Medicare and Medicaid . . . . .	4,060	---	3,365	4,211	---	5,472	5,887	---	2,910	3,626
Medicare only . . . . .	4,437	---	3,344	3,873	---	*	*	---	...	...
Medicaid only . . . . .	2,508	---	2,352	2,533	...	...	...	---	2,069	2,501
Neither . . . . .	2,360	---	2,390	2,685	...	...	...	...	...	...
Bed size										
Less than 50 beds . . . . .	3,808	886	3,377	3,358	*	*	*	1,335	2,990	3,533
50–99 beds . . . . .	3,627	1,388	2,849	3,698	1,760	4,929	*	1,323	2,335	3,121
100–199 beds . . . . .	3,867	1,567	3,138	4,160	2,192	4,918	5,318	1,413	2,659	3,487
200 beds or more . . . . .	4,281	1,701	3,316	4,029	2,767	4,523	5,912	1,919	3,520	4,011
Geographic region										
Northeast . . . . .	4,852	1,645	4,117	5,300	2,109	4,883	6,368	2,035	3,671	4,397
Midwest . . . . .	3,474	1,398	2,650	3,413	2,745	5,439	4,726	1,382	2,478	3,239
South . . . . .	3,263	1,359	2,945	3,467	2,033	4,889	4,859	1,200	2,333	2,943
West . . . . .	4,725	1,498	3,666	4,868	1,838	8,825	*	1,501	2,848	3,865
Percent of residents										
All facilities . . . . .	100.0	41.6	27.8	23.7	1.4	9.9	14.7	50.4	60.2	58.7
Ownership										
Proprietary . . . . .	100.0	40.1	24.1	20.2	1.6	10.4	14.2	52.1	63.8	62.9
Nonprofit and government . . . . .	100.0	44.9	34.3	30.2	*	9.2	15.5	46.6	54.0	51.1
Certification <sup>3</sup>										
Both Medicare and Medicaid . . . . .	100.0	---	23.1	21.5	---	11.6	15.5	---	63.9	60.4
Medicare only . . . . .	100.0	---	71.2	71.4	---	16.2	*21.0	---	...	...
Medicaid only . . . . .	100.0	---	32.1	21.9	...	...	...	---	63.0	69.5
Neither . . . . .	100.0	---	91.0	73.6	...	...	...	...	...	...
Bed size										
Less than 50 beds . . . . .	100.0	53.1	35.3	40.3	*	13.1	*15.9	33.8	49.9	42.5
50–99 beds . . . . .	100.0	49.5	34.5	28.3	*	6.2	12.4	42.9	57.6	56.9
100–199 beds . . . . .	100.0	39.6	26.2	21.8	1.5	10.6	15.0	55.2	61.5	61.0
200 beds or more . . . . .	100.0	30.1	22.0	20.1	*	12.1	16.3	57.7	62.4	58.1
Geographic region										
Northeast . . . . .	100.0	34.8	18.2	18.0	1.7	14.0	16.4	52.9	64.9	62.3
Midwest . . . . .	100.0	49.1	36.3	32.9	*	6.7	13.3	45.9	55.8	51.1
South . . . . .	100.0	39.4	26.1	19.2	*	10.1	14.9	53.8	62.2	63.5
West . . . . .	100.0	40.4	27.9	23.9	*	10.5	13.9	49.2	57.9	57.8

\* Data not shown have a relative standard error greater than 30 percent. After 1995 data preceded by an asterisk have a relative standard error of 20–30 percent.

--- Data not available.

... Category not applicable.

<sup>1</sup>Includes private health insurance.

<sup>2</sup>Includes life-care residents and no-charge residents.

<sup>3</sup>Starting in 1995 the certification categories were based on Medicare and Medicaid certification.

NOTE: Data for additional years are available (see Appendix III).

SOURCES: Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey: 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97). 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.

**Table 130 (page 1 of 3). Health care coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Private insurance <sup>1</sup>						Private insurance obtained through workplace <sup>1,2</sup>					
	1989	1995 <sup>3</sup>	1997 <sup>3</sup>	1998	1999	2000	1989	1995 <sup>3</sup>	1997 <sup>3</sup>	1998	1999	2000
Number in millions												
Total <sup>4</sup>	22.4	23.5	22.3	21.5	20.8	20.6	11.2	12.4	12.0	11.8	11.3	11.7
Percent of population												
Total, age adjusted <sup>4,5</sup>	76.1	74.5	69.5	66.7	64.0	63.1	37.3	38.9	37.0	36.5	34.6	35.6
Total, crude <sup>4</sup>	76.5	74.6	69.5	66.7	64.1	63.1	38.4	39.5	37.5	36.7	34.9	35.8
Age												
65–74 years	78.2	75.1	69.9	66.6	64.5	62.7	43.7	43.3	42.0	39.7	38.6	39.4
75 years and over	73.9	73.9	69.1	66.8	63.5	63.6	30.2	34.1	31.6	33.0	30.3	31.4
75–84 years	75.9	75.7	70.2	68.1	64.6	64.6	32.0	36.0	33.2	35.1	32.3	33.1
85 years and over	65.5	67.3	64.7	61.8	59.6	59.5	22.8	27.3	25.6	25.3	23.2	24.7
Sex <sup>5</sup>												
Male	77.4	76.6	72.1	68.5	64.5	64.3	42.1	43.3	42.0	40.7	38.6	39.7
Female	75.4	73.2	67.7	65.5	63.8	62.2	34.0	35.8	33.5	33.6	31.8	32.5
Race <sup>5,6</sup>												
White only	79.8	78.3	72.7	70.3	67.6	66.9	38.7	40.4	37.9	37.9	35.8	37.2
Black or African American only	42.3	40.3	42.5	40.3	39.9	35.6	23.7	24.6	30.8	27.3	27.5	25.0
American Indian and Alaska Native only	*	*	*	*	*	*	*	*	*	*	*	*
Asian only	#	#	#	#	33.1	43.3	#	#	#	#	21.4	23.2
Native Hawaiian and Other Pacific Islander only	---	---	---	---	*	*	---	---	---	---	*	*
2 or more races	---	---	---	---	56.0	63.1	---	---	---	---	26.9	48.4
Hispanic origin and race <sup>5,6</sup>												
Hispanic or Latino	42.3	39.8	30.6	29.1	26.9	23.4	22.2	18.4	17.7	17.8	17.4	15.1
Mexican	33.5	31.8	31.8	26.5	27.4	20.3	20.2	15.9	17.7	17.2	16.9	12.8
Not Hispanic or Latino	#	#	#	#	66.2	65.5	#	#	#	#	35.7	36.8
White only	81.0	80.3	74.9	72.3	69.7	69.1	39.3	41.7	39.0	38.8	36.8	38.3
Black or African American only	42.4	40.1	42.6	40.5	40.1	35.6	23.7	24.4	30.7	27.6	27.6	25.0
Percent of poverty level <sup>5,7</sup>												
Below 100 percent	46.1	40.0	31.9	32.8	28.3	29.9	11.6	13.8	7.2	10.0	8.8	10.8
100–149 percent	67.7	67.6	54.5	48.7	44.6	44.2	22.2	26.7	17.4	19.1	14.7	16.1
150–199 percent	81.1	76.0	69.8	65.6	62.0	63.1	39.0	38.7	33.3	30.9	27.2	29.8
200 percent or more	85.5	85.3	81.8	78.6	75.5	74.4	49.4	49.3	48.5	49.1	45.4	47.3
Geographic region <sup>5</sup>												
Northeast	76.1	76.2	72.7	72.0	66.0	66.7	42.2	44.6	42.3	43.0	39.7	38.7
Midwest	81.9	82.3	78.5	78.3	77.0	75.9	40.0	44.7	40.7	40.7	38.5	41.2
South	73.0	70.7	66.0	62.0	60.2	58.4	32.0	33.7	32.9	33.1	31.0	31.9
West	74.7	68.8	59.9	54.9	51.5	51.5	37.1	33.6	33.6	30.3	30.6	31.7
Location of residence <sup>5</sup>												
Within MSA <sup>8</sup>	76.6	74.7	68.4	65.5	62.8	61.4	39.9	40.9	38.6	38.2	36.0	36.9
Outside MSA <sup>8</sup>	74.8	73.9	73.2	70.6	68.2	68.5	30.2	32.2	31.8	31.1	30.0	31.5

See footnotes at end of table.

**Table 130 (page 2 of 3). Health care coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Medicaid <sup>1,9</sup>						Medicare only <sup>10</sup>					
	1989	1995 <sup>3</sup>	1997 <sup>3</sup>	1998	1999	2000	1989	1995 <sup>3</sup>	1997 <sup>3</sup>	1998	1999	2000
Number in millions												
Total <sup>4</sup> . . . . .	2.0	3.0	2.5	2.6	2.4	2.5	4.5	4.6	6.7	7.5	8.5	8.7
Percent of population												
Total, age adjusted <sup>4,5</sup> . . . . .	7.2	9.6	7.9	8.1	7.4	7.6	15.7	14.8	20.8	23.3	26.3	26.7
Total, crude <sup>4</sup> . . . . .	7.0	9.4	7.9	8.1	7.3	7.6	15.4	14.7	20.8	23.2	26.3	26.7
Age												
65–74 years . . . . .	6.3	8.4	7.5	7.8	6.6	7.7	13.8	14.4	20.3	22.7	25.9	26.3
75 years and over . . . . .	8.2	10.9	8.4	8.4	8.1	7.5	17.8	15.2	21.5	24.0	26.8	27.2
75–84 years . . . . .	7.9	9.9	7.9	7.8	7.2	7.2	16.2	14.1	20.5	22.9	26.3	26.3
85 years and over . . . . .	9.7	14.3	10.2	10.5	11.4	8.6	24.9	19.2	25.2	27.9	28.5	30.9
Sex <sup>5</sup>												
Male . . . . .	5.2	5.8	5.1	6.2	5.3	5.5	14.9	14.3	19.6	21.9	26.2	26.1
Female . . . . .	8.6	12.2	9.9	9.5	8.8	9.2	16.2	15.0	21.7	24.3	26.3	27.3
Race <sup>5,6</sup>												
White only . . . . .	5.6	7.4	6.5	6.4	5.6	5.6	13.9	13.5	19.3	21.8	25.0	25.4
Black or African American only . . . . .	21.2	28.4	19.7	18.0	18.2	19.6	34.9	29.0	34.8	38.1	37.2	40.0
American Indian and Alaska Native only . . . . .	*	*	*	*	*	*	*	*	*	*	*	*
Asian only . . . . .	#	#	#	#	28.2	21.3	#	#	#	#	32.2	28.4
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	---	*	*	---	---	---	---	*	*
2 or more races . . . . .	---	---	---	---	*	*	---	---	---	---	*28.0	*25.1
Hispanic origin and race <sup>5,6</sup>												
Hispanic or Latino . . . . .	26.4	32.7	29.0	27.2	24.0	29.6	22.7	23.6	35.1	38.4	42.5	40.0
Not Hispanic or Latino . . . . .	#	#	#	#	6.4	6.3	#	#	#	#	25.3	25.9
White only . . . . .	4.9	6.1	5.4	5.4	4.7	4.6	13.6	12.9	18.4	20.9	24.0	24.5
Black or African American only . . . . .	21.1	28.5	19.5	18.0	18.1	19.5	34.9	29.1	34.8	37.9	37.3	40.1
Percent of poverty level <sup>5,7</sup>												
Below 100 percent . . . . .	28.2	36.4	40.0	36.7	35.7	35.0	26.4	23.4	27.0	28.4	32.7	31.3
100–149 percent . . . . .	9.0	12.8	13.9	14.1	15.3	16.2	20.7	18.6	28.3	33.2	35.9	34.4
150–199 percent . . . . .	4.7	5.9	5.1	6.1	4.2	4.7	13.6	16.8	22.7	26.1	31.5	28.5
200 percent or more . . . . .	2.4	2.4	2.7	3.5	2.9	2.8	11.0	10.8	14.6	16.7	19.7	21.0

See footnotes at end of table.

**Table 130 (page 3 of 3). Health care coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Private insurance <sup>1</sup>						Private insurance obtained through workplace <sup>1,2</sup>					
	1989	1995 <sup>3</sup>	1997 <sup>3</sup>	1998	1999	2000	1989	1995 <sup>3</sup>	1997 <sup>3</sup>	1998	1999	2000
Geographic region <sup>5</sup>	Percent of population											
Northeast . . . . .	5.4	8.9	6.5	7.5	7.3	7.4	17.4	15.3	19.8	19.3	25.5	24.5
Midwest . . . . .	3.7	5.8	5.0	4.9	5.7	4.5	13.8	11.0	15.4	16.3	15.7	17.9
South . . . . .	9.7	11.8	10.0	9.6	8.2	9.4	16.6	15.9	21.6	26.0	29.0	29.4
West . . . . .	9.4	11.5	9.9	10.2	8.2	8.6	14.4	17.2	28.3	31.4	36.4	35.8
Location of residence <sup>5</sup>												
Within MSA <sup>8</sup> . . . . .	6.5	8.9	7.5	8.0	6.9	7.2	15.9	14.9	22.3	24.4	28.0	28.8
Outside MSA <sup>8</sup> . . . . .	8.8	11.7	9.4	8.4	8.8	9.0	15.5	14.2	15.9	19.7	20.6	20.5

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

# Estimates calculated upon request.

--- Data not available.

<sup>1</sup>Almost all persons 65 years of age and over are covered by Medicare also. In 2000, 91 percent of older persons with private insurance also had Medicare.

<sup>2</sup>Private insurance originally obtained through a present or former employer or union. Starting in 1997 also includes private insurance obtained through workplace, self-employed, or professional association.

<sup>3</sup>The questionnaire changed in 1993 and 1997 compared with previous years. See Appendix II, Health insurance coverage.

<sup>4</sup>Includes all other races not shown separately and unknown poverty level.

<sup>5</sup>Estimates are age adjusted to the year 2000 standard using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

<sup>6</sup>Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, estimates of the age-adjusted percent with private health insurance based on the 1977 Standards are: 0.1 percentage points lower for the white group; 0.3 percentage points higher for the black group; and 1 percentage point higher for the Asian and Pacific Islander group.

<sup>7</sup>Prior to 1997 percent of poverty level is based on family income and family size using Bureau of the Census poverty thresholds. Beginning in 1997 percent of poverty level is based on family income, family size, number of children in the family, and, for families with two or fewer adults, the age of adults in the family. See Appendix II, Poverty level. Missing family income data were imputed for 25 percent of the sample 65 years of age and over in 1994, 22 percent in 1995, and 24 percent in 1996. See Appendix II, Family income for information on the imputation process. Percent of poverty level was unknown for 29 percent of sample persons 65 or older in 1997, 34 percent in 1998, 38 percent in 1999, and 39 percent in 2000.

<sup>8</sup>MSA is metropolitan statistical area.

<sup>9</sup>Includes public assistance through 1996. Starting in 1997 includes State-sponsored health plans. In 2000 the age-adjusted percent of the population 65 years of age and over covered by Medicaid was 7.3 percent, and 0.4 percent were covered by State-sponsored health plans.

<sup>10</sup>Persons covered by Medicare but not covered by private health insurance, Medicaid, public assistance (through 1996), State-sponsored or other government-sponsored health plans (starting in 1997), or military plans. See Appendix II, Health insurance coverage.

NOTES: Percents do not add to 100 because persons with both private health insurance and Medicaid appear in more than one column, and because the percent of persons without health insurance (1.4 percent in 2000) is not shown. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, health insurance supplements (1984, 1989, 1994–1996). Starting in 1997 data are from the family core questionnaires.

**Table 131 (page 1 of 2). Health maintenance organization (HMO) coverage by private insurance, Medicaid, and Medicare according to selected characteristics: United States, 1998, 1999, and 2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Private, <sup>1</sup> Medicaid, <sup>2</sup> and Medicare <sup>3</sup>			Private <sup>1</sup>			Medicaid <sup>2</sup>		
	1998	1999	2000	1998	1999	2000	1998	1999	2000
Number of persons in millions									
Total under age 65 years <sup>4</sup> . . . . .	83.2	85.5	82.2	72.3	74.6	71.3	10.7	10.6	10.8
Percent of population									
Total under age 65 years <sup>4</sup> . . . . .	35.2	35.7	34.1	30.5	31.2	29.5	4.5	4.4	4.5
Age									
Under 18 years . . . . .	39.4	39.7	37.5	30.1	30.4	28.4	9.4	9.3	9.3
Under 6 years . . . . .	41.7	42.2	39.7	29.2	29.5	27.7	12.7	12.7	12.2
6–17 years . . . . .	38.3	38.5	36.5	30.5	30.9	28.7	7.7	7.7	7.9
18–44 years . . . . .	33.4	34.0	32.5	30.6	31.3	29.9	2.8	2.6	2.7
18–24 years . . . . .	28.8	30.1	28.4	25.0	26.2	24.4	3.9	3.9	4.0
25–34 years . . . . .	34.8	34.2	34.0	31.8	31.6	31.4	2.9	2.6	2.6
35–44 years . . . . .	34.9	36.1	33.7	32.7	34.0	31.8	2.0	1.9	1.9
45–64 years . . . . .	33.0	34.0	32.7	31.0	31.8	30.4	1.6	1.7	1.8
45–54 years . . . . .	34.3	35.3	33.4	32.5	33.4	31.4	1.6	1.6	1.9
55–64 years . . . . .	31.1	32.0	31.4	28.7	29.5	28.9	1.7	1.8	1.8
Sex									
Male . . . . .	34.2	35.0	33.1	30.4	31.1	29.3	3.7	3.7	3.8
Female . . . . .	36.1	36.5	35.0	30.7	31.2	29.8	5.3	5.2	5.1
Race <sup>5</sup>									
White only . . . . .	33.9	34.6	33.0	30.6	31.4	29.7	3.2	3.1	3.2
Black or African American only . . . . .	40.9	41.6	40.0	29.1	30.4	29.3	11.6	10.9	10.6
American Indian and Alaska Native only . . . . .	30.3	21.7	22.2	21.9	13.3	14.6	*8.2	*8.7	*7.0
Asian only . . . . .	41.6	40.7	39.6	37.5	36.6	36.3	4.0	*3.9	*3.2
Native Hawaiian and Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*
2 or more races . . . . .	---	40.5	39.8	---	29.6	29.6	---	10.9	10.3
Hispanic origin and race <sup>5</sup>									
Hispanic or Latino . . . . .	34.6	35.7	34.1	26.8	27.9	26.3	7.7	7.7	7.8
Mexican . . . . .	31.6	32.6	31.6	24.9	25.7	24.2	6.6	6.9	7.5
Puerto Rican . . . . .	44.8	46.1	44.0	27.9	29.3	29.2	16.2	16.5	14.8
Cuban . . . . .	42.0	44.3	40.3	36.5	41.3	35.3	*	*	*4.3
Other Hispanic or Latino . . . . .	35.3	38.9	35.7	28.4	31.8	29.9	6.9	7.0	5.9
Not Hispanic or Latino . . . . .	#	35.7	34.1	#	31.7	30.0	#	4.0	4.0
White only . . . . .	34.0	34.5	32.7	31.2	31.8	30.0	2.7	2.6	2.7
Black or African American only . . . . .	40.6	41.7	39.9	29.1	30.5	29.4	11.3	10.9	10.5
Percent of poverty level <sup>6</sup>									
Below 100 percent . . . . .	32.4	31.2	31.0	9.3	9.9	10.0	22.9	21.1	21.0
100–149 percent . . . . .	26.8	26.2	26.9	18.4	16.5	16.9	8.5	9.1	9.6
150–199 percent . . . . .	30.7	30.4	31.3	27.3	25.3	25.8	3.2	5.0	5.6
200 percent or more . . . . .	38.9	39.8	37.9	38.1	38.9	37.1	0.8	0.8	0.8
Geographic region									
Northeast . . . . .	44.4	46.6	44.7	39.7	42.2	40.8	4.8	4.4	3.9
Midwest . . . . .	29.9	29.6	26.6	25.8	26.3	23.5	4.0	3.3	3.0
South . . . . .	30.7	31.0	30.5	26.2	26.0	25.3	4.3	4.8	5.1
West . . . . .	40.7	41.2	39.4	35.4	35.7	33.8	5.1	5.3	5.5
Location of residence									
Within MSA <sup>7</sup> . . . . .	38.4	39.2	36.9	33.7	34.7	32.5	4.5	4.3	4.3
Outside MSA <sup>7</sup> . . . . .	22.9	22.3	22.4	18.4	17.4	17.2	4.5	5.0	5.1

See footnotes at end of table.

**Table 131 (page 2 of 2). Health maintenance organization (HMO) coverage by private insurance, Medicaid, and Medicare according to selected characteristics: United States, 1998, 1999, and 2000**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Private, <sup>1</sup> Medicaid, <sup>2</sup> and Medicare <sup>3</sup>			Private <sup>1</sup>			Medicare <sup>3</sup>		
	1998	1999	2000	1998	1999	2000	1998	1999	2000
Number of persons in millions									
Total 65 years of age and over . . . . .	7.8	8.3	8.3	4.0	3.9	4.1	4.7	5.2	5.0
Percent of population									
Total 65 years of age and over . . . . .	24.2	25.5	25.5	12.4	12.0	12.5	14.5	16.0	15.2
Age									
65–74 years . . . . .	26.1	26.9	27.5	14.0	13.7	14.2	15.3	16.1	15.8
75 years or more . . . . .	21.9	23.8	23.2	10.5	9.9	10.4	13.5	15.9	14.6
Sex									
Male . . . . .	25.1	26.5	26.7	13.6	12.9	13.9	14.8	16.6	15.6
Female . . . . .	23.6	24.8	24.7	11.6	11.4	11.5	14.3	15.6	15.0
Race <sup>5</sup>									
White only . . . . .	23.2	24.8	25.0	12.2	11.8	12.6	14.0	15.8	15.2
Black or African American only . . . . .	30.2	29.2	28.1	14.0	13.6	11.6	17.6	16.7	14.5
American Indian and Alaska Native only . . . . .	*	*	*	*	*	*	*	*	*
Asian only . . . . .	35.5	36.6	29.9	*13.6	16.6	15.1	17.2	19.4	16.7
Native Hawaiian and Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*
2 or more races . . . . .	---	34.3	46.4	---	*17.8	*30.3	---	*21.8	*30.6
Hispanic origin and race <sup>5</sup>									
Hispanic or Latino . . . . .	39.5	37.8	38.3	13.1	11.0	9.7	24.3	26.1	24.6
Mexican . . . . .	39.6	37.6	35.8	13.1	11.7	8.1	23.4	25.9	23.7
Puerto Rican . . . . .	31.9	36.7	32.4	*12.8	*	*	*16.6	*22.3	*
Cuban . . . . .	53.5	42.2	51.6	*15.9	*	*	40.4	36.5	38.3
Other Hispanic or Latino . . . . .	37.2	35.4	37.1	*12.4	*14.3	*14.5	22.4	19.9	22.0
Not Hispanic or Latino . . . . .	#	24.8	24.7	#	12.1	12.7	#	15.4	14.6
White only . . . . .	22.4	24.0	24.2	12.2	11.8	12.7	13.5	15.2	14.5
Black or African American only . . . . .	30.0	29.2	28.1	13.9	13.7	11.6	17.4	16.7	14.5
Percent of poverty level <sup>6</sup>									
Below 100 percent . . . . .	22.7	25.6	26.8	6.8	6.6	7.8	11.0	13.9	14.4
100–149 percent . . . . .	25.3	25.4	27.2	11.0	8.1	9.2	16.6	17.6	16.9
150–199 percent . . . . .	25.8	27.9	25.4	10.5	11.2	11.3	18.2	20.4	15.6
200 percent or more . . . . .	25.5	25.7	27.8	14.4	14.2	16.0	15.4	15.9	16.7
Geographic region									
Northeast . . . . .	26.5	31.7	29.1	16.6	17.4	19.8	12.7	17.5	12.5
Midwest . . . . .	14.7	16.4	15.3	10.0	10.3	8.9	7.7	9.0	8.4
South . . . . .	19.7	19.8	21.0	8.3	8.3	7.6	12.6	12.3	13.2
West . . . . .	41.7	41.6	42.8	18.3	15.1	18.0	28.2	31.0	30.6
Location of residence									
Within MSA <sup>7</sup> . . . . .	29.0	30.4	30.2	14.4	14.2	14.6	17.8	19.7	18.7
Outside MSA <sup>7</sup> . . . . .	8.7	8.8	11.1	6.0	4.6	6.1	3.5	3.4	4.4

--- Data not available.

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. Data not shown have a relative standard error of greater than 30 percent.

# Estimates calculated upon request.

<sup>1</sup> Persons reporting private health insurance coverage are considered to have health maintenance organization (HMO) coverage if they responded HMO or Individual Practice Association (IPA) when asked their plan type. In addition if their plan was coded to an HMO and they answered that they must choose from a specific group or list of doctors and that they need an approval or referral to go to a different doctor or place for special care, they are coded to HMO.

<sup>2</sup> Persons reporting Medicaid coverage are considered to have HMO coverage if they must choose from a book or list of doctors or the doctor is assigned or if they are required to sign up with a certain primary care doctor, group of doctors, or certain clinic for all routine care.

<sup>3</sup> Persons reporting Medicare coverage are considered to have HMO coverage if they responded yes when asked if they were under a Medicare managed care arrangement such as an HMO.

<sup>4</sup> Includes all other races not shown separately and unknown poverty level.

<sup>5</sup> Starting with data year 1999, estimates by race and Hispanic origin are tabulated using the 1997 Standards for Federal data on race and ethnicity; prior to data year 1999 the 1977 Standards are used (see Appendix II, Race). Estimates for specific race groups are shown when they meet requirements for statistical reliability and confidentiality. Starting with data year 1999, the categories “White only,” “Black or African American only,” “American Indian and Alaska Native (AI/AN) only,” “Asian only,” and “Native Hawaiian and Other Pacific Islander only” include persons who reported only one racial group; and the category “2 or more races” includes persons who reported more than one of the five racial groups in the 1997 Standards or one of the five racial groups and “Some other race.” Prior to data year 1999, estimates for the race categories shown include persons who reported one race or who reported more than one race and identified one race as best representing their race; and the category “Asian only” includes Native Hawaiian and Other Pacific Islander. Because of the differences between the two Standards, race-specific estimates starting with data year 1999 are not strictly comparable with estimates for earlier years. To estimate change between 1998 and 1999, race-specific estimates for 1999 based on the 1977 Standards can be used. In comparison with the 1999 estimates based on the 1997 Standards, estimates of the age-adjusted percent with HMO coverage among those under 65 years based on the 1977 Standards are: identical for the white group; 0.1 percentage points higher for the black group; 0.4 percentage points higher for the Asian and Pacific Islander group; and 0.1 percentage points higher for the AI/AN group.

<sup>6</sup> Percent of poverty level is based on family income, family size, number of children in the family, and, for families with two or fewer adults, the age of adults in the family. See Appendix II, Poverty level. Percent of poverty level was unknown for 25 percent of sample persons in 1998, 28 percent in 1999, and 27 percent in 2000.

<sup>7</sup> MSA is metropolitan statistical area.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the family core questionnaires.



**Table 135. Medicare enrollees and program payments among fee-for-service Medicare beneficiaries, according to sex and age: United States and other areas, 1994–99**

[Data are compiled by the Centers for Medicare & Medicaid Services]

<i>Sex and age</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>
Fee-for-service enrollees in thousands						
Total . . . . .	34,076	34,062	33,704	33,009	32,349	29,211
Sex						
Male . . . . .	14,533	14,563	14,440	14,149	13,902	11,918
Female . . . . .	19,543	19,499	19,264	18,860	18,477	17,293
Age						
Under 65 years . . . . .	4,031	4,239	4,413	4,498	4,617	3,937
65–74 years . . . . .	16,713	16,373	15,810	15,099	14,433	12,108
75–84 years . . . . .	9,845	9,911	9,915	9,847	9,722	9,487
85 years and over . . . . .	3,486	3,540	3,566	3,565	3,577	3,679
Fee-for-service program payments in millions						
Total . . . . .	\$146,549	\$158,980	\$167,063	\$175,423	\$168,164	\$166,687
Sex						
Male . . . . .	63,907	68,758	71,011	75,357	72,883	73,171
Female . . . . .	82,642	90,222	95,052	100,066	95,281	93,516
Age						
Under 65 years . . . . .	18,835	21,029	24,160	25,798	23,746	24,262
65–74 years . . . . .	55,147	58,093	58,737	59,687	57,342	56,031
75–84 years . . . . .	50,719	55,256	58,058	61,708	59,745	59,518
85 years and over . . . . .	21,847	24,602	26,108	28,231	27,331	26,875
Percent distribution of fee-for-service program payments						
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0
Sex						
Male . . . . .	43.6	43.2	42.5	43.0	43.3	43.9
Female . . . . .	56.4	56.8	56.9	57.0	56.7	56.1
Age						
Under 65 years . . . . .	12.9	13.2	14.5	14.7	14.1	14.6
65–74 years . . . . .	37.6	36.5	35.2	34.0	34.1	33.6
75–84 years . . . . .	34.6	34.8	34.8	35.2	35.5	35.7
85 years and over . . . . .	14.9	15.5	15.6	16.1	16.3	16.1
Average fee-for-service payment per enrollee						
Total . . . . .	\$ 4,301	\$ 4,667	\$ 4,957	\$ 5,314	\$ 5,198	\$ 5,180
Sex						
Male . . . . .	4,397	4,721	4,918	5,326	5,243	5,275
Female . . . . .	4,229	4,627	4,934	5,306	5,165	5,108
Age						
Under 65 years . . . . .	4,673	4,960	5,475	5,735	5,143	5,117
65–74 years . . . . .	3,300	3,548	3,715	3,953	3,973	3,982
75–84 years . . . . .	5,152	5,576	5,856	6,267	6,145	6,106
85 years and over . . . . .	6,267	6,950	7,321	7,919	7,641	7,428

NOTE: Table includes data for Medicare enrollees residing in Puerto Rico, Virgin Islands, Guam, other outlying areas, foreign countries, and unknown residence.

SOURCE: Centers for Medicare & Medicaid Services, Office of Strategic Planning. Health Care Financing Review: Medicare and Medicaid Statistical Supplements for years 1996 to 2001.

**Table 136 (page 1 of 2). Medicare beneficiaries by race and ethnicity, according to selected characteristics: United States, selected years 1992–98**

[Data are based on household interviews of a sample of current Medicare beneficiaries and Medicare administrative records]

Characteristic	All	White, non-Hispanic			Black, non-Hispanic			Hispanic		
	1998	1992	1997	1998	1992	1997	1998	1992	1997	1998
Number of beneficiaries in millions										
All Medicare beneficiaries . . . . .	40.1	30.9	32.6	32.6	3.3	3.4	3.6	1.9	2.5	2.7
Percent distribution of beneficiaries										
All Medicare beneficiaries . . . . .	100.0	84.2	82.7	81.6	8.9	8.7	8.9	5.2	6.4	6.8
Medical care use										
Percent of beneficiaries with at least one service										
All Medicare beneficiaries:										
Long-term care facility stay . . .	9.2	8.0	10.1	9.5	6.2	8.8	10.3	4.2	3.7	3.8
Community-only residents:										
Inpatient hospital . . . . .	18.5	18.1	19.1	18.6	18.4	21.5	20.6	16.6	17.7	17.1
Outpatient hospital . . . . .	65.8	57.8	68.4	66.6	61.1	69.4	66.1	53.1	62.3	59.4
Physician/supplier <sup>1</sup> . . . . .	94.0	93.0	95.4	94.9	89.1	90.4	90.9	87.9	89.8	91.2
Dental . . . . .	42.5	43.1	45.1	45.7	23.5	23.9	24.4	29.1	29.0	32.8
Prescription medicine . . . . .	89.0	85.5	88.6	89.4	83.1	84.5	87.5	84.6	86.0	87.6
Expenditures <sup>2</sup>										
Expenditures per beneficiary										
All Medicare beneficiaries:										
Total . . . . .	\$ 9,373	\$ 6,816	\$ 9,234	\$ 9,294	\$ 7,043	\$12,039	\$11,870	\$5,784	\$7,226	\$8,097
Long-term care facility . . . . .	2,203	1,674	2,376	2,304	1,255	2,281	2,635	*	*	*
Community-only residents:										
Total personal health care . . . .	\$ 6,882	\$ 4,988	\$ 6,699	\$ 6,760	\$ 5,530	\$ 8,770	\$ 8,451	\$4,938	\$6,351	\$7,001
Inpatient hospital . . . . .	2,354	2,058	2,359	2,305	2,493	3,569	2,999	1,999	2,310	2,384
Outpatient hospital . . . . .	792	478	674	728	668	1,299	1,340	511	963	943
Physician/supplier <sup>1</sup> . . . . .	2,093	1,525	2,006	2,076	1,398	1,960	2,288	1,587	1,920	2,235
Dental . . . . .	240	153	229	265	70	103	112	97	124	153
Prescription medicine . . . . .	870	481	741	885	417	717	819	389	661	796
Long-term care facility residents only:										
Long-term care facility . . . . .	30,398	23,177	29,904	30,490	21,272	31,408	30,145	*	*	*
Sex										
Percent distribution of beneficiaries										
Both sexes . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	43.7	42.7	43.4	43.7	42.0	42.9	41.5	46.7	49.0	47.4
Female . . . . .	56.3	57.3	56.6	56.4	58.0	57.1	58.6	53.3	51.0	52.6
Eligibility criteria and age										
All Medicare beneficiaries . . . . .	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.1
Disabled . . . . .	12.8	8.6	10.2	10.8	19.1	24.6	24.3	16.5	22.2	21.0
Under 45 years . . . . .	4.1	2.9	3.2	3.3	7.6	10.8	9.7	6.9	5.3	5.3
45–64 years . . . . .	8.7	5.8	7.0	7.5	11.5	13.8	14.6	9.6	16.9	15.7
Aged . . . . .	87.2	91.4	89.7	89.2	81.0	75.4	75.7	83.5	77.7	79.2
65–74 years . . . . .	46.4	52.0	47.2	46.3	48.0	43.3	42.3	49.4	48.6	48.7
75–84 years . . . . .	30.0	29.5	31.4	31.6	24.0	23.7	24.0	27.1	22.2	23.2
85 years and over . . . . .	10.8	9.9	11.1	11.4	9.0	8.4	9.4	6.9	6.9	7.3
Living arrangement										
All living arrangements . . . . .	100.0	100.0	100.0	100.0	100.0	100.1	100.0	100.0	98.2	98.3
Alone . . . . .	29.2	27.5	28.7	29.7	27.7	28.9	31.6	20.2	24.6	22.8
With spouse . . . . .	49.8	53.3	52.9	51.8	33.3	32.7	31.5	50.4	47.8	49.9
With children . . . . .	8.9	7.7	7.0	7.2	16.8	16.7	16.5	16.6	14.9	15.7
With others . . . . .	7.2	6.2	5.9	6.1	18.1	16.7	15.3	10.8	10.9	10.0
Long-term care facility . . . . .	4.9	5.3	5.5	5.1	4.0	5.1	5.2	*	*	*

See footnotes at end of table.

**Table 136 (page 2 of 2). Medicare beneficiaries by race and ethnicity, according to selected characteristics: United States, selected years 1992–98**

[Data are based on household interviews of a sample of current Medicare beneficiaries and Medicare administrative records]

	<i>All</i>	<i>White, non-Hispanic</i>			<i>Black, non-Hispanic</i>			<i>Hispanic</i>		
<i>Characteristic</i>	<i>1998</i>	<i>1992</i>	<i>1997</i>	<i>1998</i>	<i>1992</i>	<i>1997</i>	<i>1998</i>	<i>1992</i>	<i>1997</i>	<i>1998</i>
Age and limitation of activity <sup>3</sup>					Percent distribution of beneficiaries					
Under 65 years (disabled) . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	31.8	21.8	29.2	29.6	26.2	32.8	42.7	21.2	35.1	30.3
IADL only . . . . .	36.1	38.9	39.2	38.0	35.8	39.0	30.7	46.1	31.9	32.2
1 or 2 ADL . . . . .	19.7	21.5	19.9	19.5	21.2	19.5	17.4	*	*	*
3–5 ADL . . . . .	12.4	17.9	11.6	12.9	*	*	*	*	*	*
65–74 years . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	72.4	68.7	73.3	73.3	55.1	58.8	59.6	59.2	76.6	76.4
IADL only . . . . .	15.6	17.0	15.4	15.2	22.9	21.7	21.5	*	*	*
1 or 2 ADL . . . . .	8.2	9.6	7.3	8.1	14.4	13.0	12.1	*	*	*
3–5 ADL . . . . .	3.8	4.6	3.9	3.4	*	*	*	*	*	*
75–84 years . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	53.7	47.5	53.6	54.4	42.0	44.6	49.2	44.3	49.4	50.1
IADL only . . . . .	20.7	23.6	21.5	20.9	26.7	19.9	16.7	*	*	*
1 or 2 ADL . . . . .	14.7	16.8	13.4	14.7	15.3	18.3	*	*	*	*
3–5 ADL . . . . .	11.0	12.2	11.4	10.0	*	*	*	*	*	*
85 years and over . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	25.2	20.2	25.0	26.1	*	19.2	16.1	*	*	*
IADL only . . . . .	20.7	20.2	22.5	20.9	*	*	*	*	*	*
1 or 2 ADL . . . . .	22.6	23.5	21.2	23.1	*	*	*	*	*	*
3–5 ADL . . . . .	31.6	36.1	31.3	29.9	*	*	*	*	*	*

\* Cell based on 50 persons or fewer.

<sup>1</sup>Physician/supplier services include medical and osteopathic doctor and health practitioner visits; diagnostic laboratory and radiology services; medical and surgical services; durable medical equipment and nondurable medical supplies.

<sup>2</sup>Total health expenditures by Medicare beneficiaries, including expenses paid by Medicare and all other sources of payment.

<sup>3</sup>See Appendix II for definitions of Limitation of activity, Activities of Daily Living (ADL), and Instrumental Activities of Daily Living (IADL). Includes data for both community and long-term care facility residents.

NOTE: Data for additional years are available (see Appendix III).

SOURCES: Health Care Financing Administration. Health and Health Care of the Medicare Population: Data from the 1992 Medicare Current Beneficiary Survey; 1997 and 1998 data from the Medicare Current Beneficiary Survey at [www.hcfa.gov/surveys/mcbs](http://www.hcfa.gov/surveys/mcbs).

**Table 137. Medicaid recipients and medical vendor payments, according to basis of eligibility, and race and ethnicity: United States, selected fiscal years 1972–98**

[Data are compiled by the Centers for Medicare & Medicaid Services]

<i>Basis of eligibility and race and ethnicity</i>	<i>1972</i>	<i>1975</i>	<i>1980</i>	<i>1985</i>	<i>1990</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998<sup>1</sup></i>
Recipients	Number in millions								
All recipients . . . . .	17.6	22.0	21.6	21.8	25.3	36.3	36.1	34.9	40.6
Percent of recipients									
Basis of eligibility: <sup>2</sup>									
Aged (65 years and over) . . . . .	18.8	16.4	15.9	14.0	12.7	11.4	11.9	11.3	9.8
Blind and disabled . . . . .	9.8	11.2	13.5	13.8	14.7	16.1	17.2	17.6	16.3
Adults in families with dependent children <sup>3</sup> . . . . .	17.8	20.6	22.6	25.3	23.8	21.0	19.7	19.5	19.5
Children under age 21 <sup>4</sup> . . . . .	44.5	43.6	43.2	44.7	44.4	47.3	46.3	45.3	46.7
Other Title XIX <sup>5</sup> . . . . .	9.0	8.2	6.9	5.6	3.9	1.7	1.8	6.3	7.8
Race and ethnicity: <sup>6</sup>									
White . . . . .	---	---	---	---	42.8	45.5	44.8	44.4	41.3
Black . . . . .	---	---	---	---	25.1	24.7	23.9	23.5	24.2
American Indian or Alaska Native . . . . .	---	---	---	---	1.0	0.8	0.8	1.0	0.8
Asian or Pacific Islander . . . . .	---	---	---	---	2.0	2.2	2.1	1.9	2.5
Hispanic . . . . .	---	---	---	---	15.2	17.2	17.5	14.3	15.6
Unknown . . . . .	---	---	---	---	14.0	9.6	10.9	14.9	15.5
Vendor payments <sup>7</sup>									
Amount in billions									
All payments . . . . .	\$ 6.3	\$ 12.2	\$ 23.3	\$ 37.5	\$ 64.9	\$120.1	\$121.7	\$124.4	\$ 142.3
Percent distribution									
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Basis of eligibility:									
Aged (65 years and over) . . . . .	30.6	35.6	37.5	37.6	33.2	30.4	30.4	30.3	28.5
Blind and disabled . . . . .	22.2	25.7	32.7	35.9	37.6	41.1	42.8	43.5	42.4
Adults in families with dependent children <sup>3</sup> . . . . .	15.3	16.8	13.9	12.7	13.2	11.2	10.1	9.9	10.4
Children under age 21 <sup>4</sup> . . . . .	18.1	17.9	13.4	11.8	14.0	15.0	14.4	14.1	16.0
Other Title XIX <sup>5</sup> . . . . .	13.9	4.0	2.6	2.1	1.6	1.2	1.2	2.2	2.6
Race and ethnicity: <sup>6</sup>									
White . . . . .	---	---	---	---	53.4	54.3	54.1	55.0	54.3
Black . . . . .	---	---	---	---	18.3	19.2	18.7	18.5	19.6
American Indian or Alaska Native . . . . .	---	---	---	---	0.6	0.5	0.6	0.6	0.8
Asian or Pacific Islander . . . . .	---	---	---	---	1.0	1.2	1.1	0.9	1.4
Hispanic . . . . .	---	---	---	---	5.3	7.3	7.4	6.8	8.2
Unknown . . . . .	---	---	---	---	21.3	17.6	18.1	18.2	15.7
Vendor payments per recipient <sup>7</sup>									
Amount									
All recipients . . . . .	\$ 358	\$ 556	\$1,079	\$1,719	\$2,568	\$3,311	\$3,369	\$3,568	\$ 3,501
Basis of eligibility:									
Aged (65 years and over) . . . . .	580	1,206	2,540	4,605	6,717	8,868	8,622	9,538	10,242
Blind and disabled . . . . .	807	1,276	2,618	4,459	6,564	8,435	8,369	8,832	9,095
Adults in families with dependent children <sup>3</sup> . . . . .	307	455	662	860	1,429	1,777	1,722	1,809	1,876
Children under age 21 <sup>4</sup> . . . . .	145	228	335	452	811	1,047	1,048	1,111	1,203
Other Title XIX <sup>5</sup> . . . . .	555	273	398	657	1,062	2,380	2,152	1,242	1,166
Race and ethnicity: <sup>6</sup>									
White . . . . .	---	---	---	---	3,207	3,953	4,074	4,421	4,609
Black . . . . .	---	---	---	---	1,878	2,568	2,631	2,798	2,836
American Indian or Alaska Native . . . . .	---	---	---	---	1,706	2,142	2,298	2,500	3,297
Asian or Pacific Islander . . . . .	---	---	---	---	1,257	1,713	1,767	1,610	1,924
Hispanic . . . . .	---	---	---	---	903	1,400	1,428	1,699	1,842
Unknown . . . . .	---	---	---	---	3,909	6,099	5,603	4,356	3,531

--- Data not available.

<sup>1</sup>Prior to 1998 recipient counts exclude those individuals who only received coverage under prepaid health care and for whom no direct vendor payments were made during the year. Prior to 1998 vendor payments exclude payments to health maintenance organizations and other prepaid health plans (\$19.3 billion in 1998 and \$18 billion in 1997). The total number of persons who were Medicaid eligible and enrolled was 41.4 million in 1998, 41.6 million in 1997, and 41.2 million in 1996 (HCFA Medicaid Statistics, Program and Financial Statistics FY1996, FY1997, and FY1998, unpublished).

<sup>2</sup>In 1980 and 1985 recipients included in more than one category. In 1990–96, 0.2–2.5 percent of recipients have unknown basis of eligibility. From 1997 onwards, unknowns are included in Other Title XIX.

<sup>3</sup>Includes adults in the Aid to Families with Dependent Children (AFDC) program.

<sup>4</sup>Includes children in the AFDC program. From 1997 onwards includes foster care.

<sup>5</sup>Includes some participants in the Supplemental Security Income program and other people deemed medically needy in participating States. From 1997 onwards excludes foster care and includes unknown eligibility.

<sup>6</sup>Race and ethnicity as determined on initial Medicaid application. Categories are mutually exclusive.

<sup>7</sup>Vendor payments exclude disproportionate share hospital payments (\$16 billion in 1997 and \$15 billion in 1998).

NOTES: 1972 and 1975 data are for fiscal year ending June 30. All other years are for fiscal year ending September 30. Data for additional years are available (see Appendix III). Some numbers in this table have been revised and differ from the previous edition of *Health, United States*.

SOURCE: Centers for Medicare & Medicaid Services, Office of Information Services, Enterprise Databases Group, Division of Information Distribution, Medicaid Data System.

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